

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: February 27, 2005, 22:36:57 ; Search time 4.47527 Seconds
(without alignments)
8043.788 Million cell updates/sec

Title: us-09-909-317-1

Perfect score: 22
Sequence: 1 gattccccctctctctctctc 22

Scoring table: IDENTITY_NUC
dapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of Hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA: *
1: /cgn2_6/prodata/1/ina/5A_COMB.seq: *
2: /cgn2_6/prodata/1/ina/5B_COMB.seq: *
3: /cgn2_6/prodata/1/ina/6A_COMB.seq: *
4: /cgn2_6/prodata/1/ina/6B_COMB.seq: *
5: /cgn2_6/prodata/1/ina/PCTUS_COMB.seq: *
6: /cgn2_6/prodata/1/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	22	100.0	22	US-09-280-181B-1	Sequence 1, Appl1
2	18.4	83.6	34408	4 US-09-949-016-14010	Sequence 14010, A
3	17.8	80.9	366	4 US-09-248-796A-10881	Sequence 10881, A
4	17.8	80.9	601	4 US-09-949-016-80901	Sequence 80901, A
5	17.8	80.9	601	4 US-09-949-016-111397	Sequence 111397, A
6	17.8	80.9	711	4 US-09-248-796A-2809	Sequence 2809, Ap
7	17.8	80.9	45086	4 US-09-949-016-14816	Sequence 14816, A
8	17.8	80.9	49378	4 US-09-949-016-13408	Sequence 13408, A
9	17.8	80.9	199471	4 US-09-949-016-14083	Sequence 14083, A
10	17.8	79.1	601	4 US-09-949-016-69074	Sequence 69074, A
11	17.4	79.1	601	4 US-09-949-016-137497	Sequence 137497, A
12	17.4	79.1	19503	4 US-09-949-016-16528	Sequence 16528, A
13	17.4	79.1	53336	4 US-09-949-016-12500	Sequence 12500, A
14	17.4	79.1	53337	4 US-09-949-016-16092	Sequence 16092, A
15	17.4	79.1	58864	4 US-09-949-016-13769	Sequence 13769, A
16	17.4	79.1	96739	4 US-09-949-016-15606	Sequence 15606, A
17	17.2	78.2	429	4 US-09-621-976-9098	Sequence 9098, Ap
18	17.2	78.2	813	4 US-09-308-386A-2	Sequence 2, Appl1
19	17.2	78.2	1087	3 US-09-372-422A-29	Sequence 29, Appl1
20	17.2	78.2	5357	4 US-09-979-765-1	Sequence 1, Appl1
21	17.2	78.2	16216	4 US-09-949-016-17377	Sequence 17377, A
22	17.2	78.2	41454	4 US-09-949-016-17107	Sequence 17107, A
23	17.2	78.2	46085	4 US-09-949-016-13547	Sequence 13547, A
24	17.2	78.2	46085	4 US-09-949-016-13548	Sequence 13548, A
25	17.2	78.2	85122	4 US-09-949-016-14693	Sequence 14693, A
26	17.2	78.2	98864	4 US-09-949-016-15403	Sequence 15403, A
27	17.2	78.2	114793	4 US-10-148-806-3	Sequence 3, Appl1

c	28	17.2	78.2	119214	4	US-09-949-016-12507	Sequence 12507, A
c	29	17.2	78.2	237863	4	US-09-949-016-13404	Sequence 13404, A
c	30	16.8	76.4	170	4	US-09-513-999C-29029	Sequence 29029, A
c	31	16.8	76.4	301	2	US-08-332-766A-23790	Sequence 23, Appl1
c	32	16.8	76.4	344	4	US-09-513-999C-32790	Sequence 32790, A
c	33	16.8	76.4	521	3	US-09-488-744A-10	Sequence 10, Appl1
c	34	16.8	76.4	601	4	US-09-949-016-53550	Sequence 53550, A
c	35	16.8	76.4	601	4	US-09-949-016-133079	Sequence 133079, A
c	36	16.8	76.4	601	4	US-09-949-016-133080	Sequence 133080, A
c	37	16.8	76.4	601	4	US-09-949-016-140928	Sequence 140928, A
c	38	16.8	76.4	601	4	US-09-949-016-156380	Sequence 156380, A
c	39	16.8	76.4	601	4	US-09-949-016-160881	Sequence 160881, A
c	40	16.8	76.4	601	4	US-09-949-016-160882	Sequence 160882, A
c	41	16.8	76.4	601	4	US-09-949-016-196595	Sequence 196595, A
c	42	16.8	76.4	601	4	US-09-949-016-196596	Sequence 196596, A
c	43	16.8	76.4	601	4	US-09-949-016-202254	Sequence 202254, A
c	44	16.8	76.4	675	4	US-09-248-796A-2987	Sequence 2987, Ap
c	45	16.8	76.4	865	4	US-09-270-767-4587	Sequence 4587, Ap

ALIGNMENTS

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RESULT 1
US-09-280-181B-1
; Sequence 1, Application US/09280181B
; Patent No. 6280941
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: P07 41735
; CURRENT FILING DATE: US/09/280,181B
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-280-181B-1

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Best Local Similarity 100.0%; Pred. No. 1.2;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  GATCCCCATCTCTCTCTTT 22
DB      1  GATCCCCATCTCTCTTT 22

RESULT 2
US-09-949-016-14010/C
; Sequence 14010, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14010
; LENGTH: 34408
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TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(34408)
OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14010

Query Match
Best Local Similarity 83.6%; Score 18.4; DB 4; Length 34408;
Matches 19; Conservative 0; Pred. No. 1e+02; 1; Indels 0; Gaps 0;

Qy 3 TTCCCATCTCTCTTTCTT 22
Db 1839 TTCCCATCTCTCTTTCTT 1820

RESULT 3
US-09-248-796A-10881
Sequence 10881, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstein et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
PRIOR FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 10881
LENGTH: 366
TYPE: DNA
ORGANISM: Candida albicans
US-09-248-796A-10881

Query Match
Best Local Similarity 80.9%; Score 17.8; DB 4; Length 366;
Matches 19; Conservative 0; Pred. No. 1.1e+02; 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTT 22
Db 138 ATTCCCATCTCTCTTTCTT 158

RESULT 4
US-09-949-016-80901
Sequence 80901, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 80901
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-80901

Query Match
Best Local Similarity 80.9%; Score 17.8; DB 4; Length 601;
Matches 19; Conservative 0; Pred. No. 1.2e+02; 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTT 22
Db 227 ATTCCCATCTCTCTTTCTT 247

RESULT 5
US-09-949-016-111397/C
Sequence 111397, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 111397
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-111397

Query Match
Best Local Similarity 80.9%; Score 17.8; DB 4; Length 601;
Matches 19; Conservative 0; Pred. No. 1.2e+02; 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTT 22
Db 36 ATTCCCATCTCTCTTTCTT 16

RESULT 6
US-09-248-796A-2809/C
Sequence 2809, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstein et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
PRIOR FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 2809
LENGTH: 711
TYPE: DNA
ORGANISM: Candida albicans
US-09-248-796A-2809

Query Match
Best Local Similarity 80.9%; Score 17.8; DB 4; Length 711;
Matches 19; Conservative 0; Pred. No. 1.2e+02; 2; Indels 0; Gaps 0;

Qy 2 ATTCCCATCTCTCTTTCTT 22
Db 600 ATTCCCATCTCTCTTTCTT 580

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RESULT 7
US-09-949-016-14816
; Sequence 14816, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14816
; LENGTH: 45086
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14816

Query Match      80.9%; Score 17.8; DB 4; Length 45086;
Best Local Similarity 90.5%; Pred. No. 1.3e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 ATTCCCATCTCTCTTCTT 22
DB      30163 ATTCCCATCTCTCTTCTT 30183

RESULT 8
US-09-949-016-13408
; Sequence 13408, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13408
; LENGTH: 49378
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13408

Query Match      80.9%; Score 17.8; DB 4; Length 49378;
Best Local Similarity 90.5%; Pred. No. 2e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 ATTCCCATCTCTCTTCTT 22
DB      5375 ATTCCCATCTCTCTTCTT 5395

RESULT 9
US-09-949-016-14083/C
; Sequence 14083, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
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; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14083
; LENGTH: 199471
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(199471)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14083

Query Match      80.9%; Score 17.8; DB 4; Length 199471;
Best Local Similarity 90.5%; Pred. No. 2.3e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 ATTCCCATCTCTCTTCTT 22
DB      25857 ATTCCCATCTCTCTTCTT 25837

RESULT 10
US-09-949-016-69074/C
; Sequence 69074, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 69074
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-69074

Query Match      79.1%; Score 17.4; DB 4; Length 601;
Best Local Similarity 94.7%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 ATTCCCATCTCTCTTCTT 20
DB      331 ATTCCCATCTCTCTTCTT 313

RESULT 11
US-09-949-016-137497/C
; Sequence 137497, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
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; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 137497
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-137497

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Query Match          79.1%; Score 17.4; DB 4; Length 601;
Best Local Similarity 94.7%; Pred. No. 1.8e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY      1 GATTCCTCTCTCTCTTC 19
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Db      539 GATTCCTCTCTCTCTTC 521

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RESULT 12
US-09-949-016-16528/c
; Sequence 16528, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16528
; LENGTH: 19503
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16528

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Query Match          79.1%; Score 17.4; DB 4; Length 19503;
Best Local Similarity 94.7%; Pred. No. 2.6e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY      4 TCCCATCTCTCTCTTT 22
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Db      3766 TCCCATCTCTCTCTTT 3748

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RESULT 13
US-09-949-016-12500
; Sequence 12500, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016

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; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12500
; LENGTH: 53336
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12500

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Best Local Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY      4 TCCCATCTCTCTCTTT 22
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Db      8772 TCTCATCTCTCTCTTT 8790

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RESULT 14
US-09-949-016-16092
; Sequence 16092, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16092
; LENGTH: 53337
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16092

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Query Match          79.1%; Score 17.4; DB 4; Length 53337;
Best Local Similarity 94.7%; Pred. No. 2.9e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db      8772 TCTCATCTCTCTCTTT 8790

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RESULT 15
US-09-949-016-13769
; Sequence 13769, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03

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; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ. ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ. ID NO 13769
; LENGTH: 58844
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13769

Query Match 79.1%; Score 17.4; DB 4; Length 58844;
Best Local Similarity 94.7%; Pred. No. 3e+02;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 ATTCCCATCTCTCTTCT 20
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Db 16891 ATTCCCATCTCTCTTCT 16909

Search completed: February 28, 2005, 01:15:01
Job time : 7.47527 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 28, 2005, 00:47:38 ; Search time 54.3236 Seconds
(without alignments)
2399.695 Million cell updates/sec

Title: US-09-909-317-1

Perfect score: 22

Sequence: 1 gattccccatctctctctcttc 22

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 5394803 seqs, 2962729879 residues

Total number of hits satisfying chosen parameters: 10789606

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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3: /cgn2_6/prodata/2/pubpna/US06_NEW_PUB.seq:*
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6: /cgn2_6/prodata/2/pubpna/PCFUS_PUBCOMB.seq:*
7: /cgn2_6/prodata/2/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/prodata/2/pubpna/US08_PUBCOMB.seq:*
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13: /cgn2_6/prodata/2/pubpna/US10_PUBCOMB.seq:*
14: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq:*
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16: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq:*
17: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq:*
18: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq:*
19: /cgn2_6/prodata/2/pubpna/US10C_PUBCOMB.seq:*
20: /cgn2_6/prodata/2/pubpna/US11_NEW_PUB.seq:*
21: /cgn2_6/prodata/2/pubpna/US60_NEW_PUB.seq:*
22: /cgn2_6/prodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	22	100.0	22	US-09-909-317-1	Sequence 1, Appl
2	20	90.9	650	US-10-027-632-190184	Sequence 190184,
3	20	90.9	650	US-10-027-632-190184	Sequence 190184,
4	19	86.4	32189	US-09-764-878-379	Sequence 379, App
5	19	86.4	32189	US-10-079-854-379	Sequence 379, App
6	19	86.4	32221	US-09-764-878-377	Sequence 377, App
7	19	86.4	32221	US-10-079-854-377	Sequence 377, App
8	18.8	85.5	1334	US-10-180-375-7	Sequence 7, Appl
9	18.8	85.5	1334	US-10-183-687-23	Sequence 23, Appl
10	18.4	83.6	284	US-10-424-599-92893	Sequence 92893, A
11	18.4	83.6	1309	US-10-424-599-59036	Sequence 59036, A

C 12	18.4	83.6	6351	15	US-10-311-455-1419	Sequence 1419, Ap
C 13	18.4	83.6	6351	17	US-10-221-613-191	Sequence 191, App
C 14	18.4	83.6	23695	18	US-10-433-793-11	Sequence 11, Appl
C 15	18.4	83.6	54016	19	US-10-741-600-1786	Sequence 1786, A
C 16	18.4	83.6	189817	18	US-10-741-601-5660	Sequence 5660, Ap
C 17	18.4	83.6	189817	19	US-10-741-600-17685	Sequence 17685, A
C 18	18.4	83.6	189817	19	US-10-242-533A-26433	Sequence 26433, A
C 19	18.4	83.6	500	17	US-10-085-783A-26433	Sequence 26433, A
C 20	18.4	83.6	73764	18	US-10-741-601-5616	Sequence 5616, Ap
C 21	17.8	80.9	324	17	US-10-424-599-31004	Sequence 31004, A
C 22	17.8	80.9	363	18	US-10-674-124A-23460	Sequence 23460, A
C 23	17.8	80.9	571	13	US-10-027-632-206913	Sequence 206913, A
C 24	17.8	80.9	571	13	US-10-027-632-206915	Sequence 206915, A
C 25	17.8	80.9	571	13	US-10-027-632-206913	Sequence 206913, A
C 26	17.8	80.9	571	17	US-10-027-632-206915	Sequence 206915, A
C 27	17.8	80.9	671	18	US-10-425-115-48053	Sequence 48053, A
C 28	17.8	80.9	1143	13	US-10-027-632-206914	Sequence 206914, A
C 29	17.8	80.9	1143	17	US-10-027-632-206914	Sequence 206914, A
C 30	17.8	80.9	7819	15	US-10-311-455-1925	Sequence 1925, Ap
C 31	17.8	80.9	7819	15	US-10-240-485-159	Sequence 159, App
C 32	17.8	80.9	20158	18	US-10-719-993-6760	Sequence 6760, Ap
C 33	17.8	80.9	49600	17	US-10-459-262A-3	Sequence 3, Appl
C 34	17.8	80.9	91552	17	US-10-415-058-5	Sequence 5, Appl
C 35	17.8	80.9	96595	11	US-09-997-722-43	Sequence 43, Appl
C 36	17.8	80.9	2940917	13	US-10-027-632-174763	Sequence 174763, A
C 37	17.8	80.9	2940917	17	US-10-027-632-174763	Sequence 174763, A
C 38	17.4	79.1	201	19	US-10-741-600-26828	Sequence 26828, A
C 39	17.4	79.1	720	13	US-10-027-632-101998	Sequence 101998, A
C 40	17.4	79.1	720	17	US-10-027-632-101998	Sequence 101998, A
C 41	17.4	79.1	1386	17	US-10-424-599-94947	Sequence 94947, A
C 42	17.4	79.1	1460	18	US-10-767-701-12634	Sequence 12634, A
C 43	17.4	79.1	1446	17	US-10-203-318A-22	Sequence 22, Appl
C 44	17.4	79.1	1446	17	US-10-203-318A-24	Sequence 24, Appl
C 45	17.4	79.1	1651	9	US-09-938-842A-2730	Sequence 2730, Ap

ALIGNMENTS

RESULT 1
US-09-909-317-1
; Sequence 1, Application US/0909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-1

Query Match 100.0%; Score 22; DB 11; Length 22;
Best Local Similarity 100.0%; Pred. No. 6.1;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GATTCCTCATCTCTCTCTTT 22
Db 1 GATTCCTCATCTCTCTTT 22

RESULT 2
US-10-027-632-190184/C
; Sequence 190184, Application US/10027632

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Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 190184
LENGTH: 650
TYPE: DNA
ORGANISM: Human
US-10-027-632-190184
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Query Match          90.9%; Score 20; DB 13; Length 650;
Best Local Similarity 100.0%; Pred. No. 51;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      3  TTCCCATCTCTCTTTCTTT 22
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Db      161 TTCCCATCTCTCTTTCTTT 142
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RESULT 3
US-10-027-632-190184/c
Sequence 190184, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 190184
LENGTH: 650
TYPE: DNA
ORGANISM: Human
US-10-027-632-190184
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Query Match          90.9%; Score 20; DB 17; Length 650;
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```
Best Local Similarity 100.0%; Pred. No. 51;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      3  TTCCCATCTCTCTTTCTTT 22
          |||||
Db      161 TTCCCATCTCTCTTTCTTT 142
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```
RESULT 4
US-09-764-878-379/c
Sequence 379, Application US/09764878
Patent No. US20020090615A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA121
CURRENT APPLICATION NUMBER: US/09/764,878
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 428
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 379
LENGTH: 32189
TYPE: DNA
ORGANISM: Homo sapiens
US-09-764-878-379
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Query Match          86.4%; Score 19; DB 9; Length 32189;
Best Local Similarity 100.0%; Pred. No. 1,6e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      4  TTCCCATCTCTCTTTCTTT 22
          |||||
Db      19817 TTCCCATCTCTCTTTCTTT 19799
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```
RESULT 5
US-10-079-854-379/c
Sequence 379, Application US/10079854
Publication No. US20030054368A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA121C1
CURRENT APPLICATION NUMBER: US/10/079,854
CURRENT FILING DATE: 2002-02-22
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 428
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 379
LENGTH: 32189
TYPE: DNA
ORGANISM: Homo sapiens
US-10-079-854-379
```

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Query Match          86.4%; Score 19; DB 14; Length 32189;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      4  TTCCCATCTCTCTTTCTTT 22
          |||||
Db      19817 TTCCCATCTCTCTTTCTTT 19799
```

```
RESULT 6
US-09-764-878-377/c
Sequence 377, Application US/09764878
Patent No. US20020090615A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA121
CURRENT APPLICATION NUMBER: US/09/764,878
```

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; CURRENT FILING DATE: 2001-01-17
; Prior Application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 377
; LENGTH: 32221
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (7464)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-878-377
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Query Match      86.4%; Score 19; DB 9; Length 32221;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      4 TCCCATCTCTCTTTCTTT 22
          |||||
Db      19848 TCCCATCTCTCTTTCTTT 19830
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```
RESULT 7
US-10-079-854-377/c
; Sequence 377, Application US/10079854
; Publication No. US20030054368A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PAL2ICI
; CURRENT APPLICATION NUMBER: US/10/079,854
; PRIORITY FILING DATE: 2002-02-22
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 428
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 377
; LENGTH: 32221
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (7464)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-079-854-377
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Query Match      86.4%; Score 19; DB 14; Length 32221;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      4 TCCCATCTCTCTTTCTTT 22
          |||||
Db      19848 TCCCATCTCTCTTTCTTT 19830
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RESULT 8
US-10-180-375-7/c
; Sequence 7, Application US/10180375
; Publication No. US2003012638A1
; GENERAL INFORMATION:
; APPLICANT: Allen, William B.
; APPLICANT: Cahoon, Rebecca E.
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Harvell, Leslie T.
; APPLICANT: Helentjaris, Timothy
; APPLICANT: Li, Changjiang
; APPLICANT: Lowe, Keith
; APPLICANT: Oliveira, Igor Cunha
; APPLICANT: Shen, Bo
; APPLICANT: Tarczyński, Mitchell C.
; TITLE OF INVENTION: Alteration of Oil Traits in Plants
; FILE REFERENCE: B81458 US NA1
; CURRENT APPLICATION NUMBER: US/10/180,375
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; CURRENT FILING DATE: 2002-06-26
; NUMBER OF SEQ ID NOS: 222
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 7
; LENGTH: 1334
; TYPE: DNA
; ORGANISM: Vitis sp.
US-10-180-375-7
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Query Match      85.5%; Score 18.8; DB 15; Length 1334;
Best Local Similarity 90.9%; Pred. No. 1.7e+02;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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```
QY      1 GATCCCATCTCTCTTTCTTT 22
          |||||
Db      1238 GATCCCATCTCTCTTTCTTT 1217
```

```
RESULT 9
US-10-183-687-23/c
; Sequence 23, Application US/10183687
; Publication No. US20030204870A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Steve
; APPLICANT: Cahoon, William B.
; APPLICANT: Epelbaum, Sabine
; APPLICANT: Famodu, Omolayo O.
; APPLICANT: Harvell, Leslie T.
; APPLICANT: Jones, Todd
; APPLICANT: Kinney, Tony
; APPLICANT: Klein, Ted
; APPLICANT: Li, Changjiang
; APPLICANT: Oliveira, Igor Cunha
; APPLICANT: Sakai, Hajime
; APPLICANT: Shen, Bo
; APPLICANT: Tarczyński, Mitchell C.
; TITLE OF INVENTION: Alteration of Oil Traits in Plants
; FILE REFERENCE: B81458 US NA
; CURRENT APPLICATION NUMBER: US/10/183,687
; PRIORITY FILING DATE: 2002-06-27
; PRIOR APPLICATION NUMBER: 60/301,913
; PRIORITY FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 23
; LENGTH: 1334
; TYPE: DNA
; ORGANISM: Vitis sp.
US-10-183-687-23
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Query Match      85.5%; Score 18.8; DB 17; Length 1334;
Best Local Similarity 90.9%; Pred. No. 1.7e+02;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY      1 GATCCCATCTCTCTTTCTTT 22
          |||||
Db      1238 GATCCCATCTCTCTTTCTTT 1217
```

```
RESULT 10
US-10-424-599-92893/c
; Sequence 92893, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
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/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 285684
/ SEQ ID NO 92893
/ LENGTH: 284
/ TYPE: DNA
/ ORGANISM: Glycine max
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: (1)...(284)
/ OTHER INFORMATION: unsure at all n locations
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT3847_54898C.1
US-10-424-599-92893

Query Match      83.6%; Score 18.4; DB 17; Length 284;
Best Local Similarity 95.0%; Pred. No. 2.4e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      3 TTCCCATCTCTCTTTCTTT 22
Db      49 TTCCCATCTCTCTGCTTT 30

RESULT 11
US-10-424-599-59036/c
/ Sequence 59036, Application US/10424599
/ Publication No. US20040031072A1
/ GENERAL INFORMATION:
/ APPLICANT: La Rosa Thomas J
/ APPLICANT: Kovalic David K
/ APPLICANT: Zhou Yihua
/ APPLICANT: Cao Yongwei
/ TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
/ FILE REFERENCE: 38-21(53223)B
/ CURRENT APPLICATION NUMBER: US/10/424,599
/ CURRENT FILING DATE: 2003-04-28
/ NUMBER OF SEQ ID NOS: 285684
/ SEQ ID NO 59036
/ LENGTH: 1309
/ TYPE: DNA
/ ORGANISM: Glycine max
/ FEATURE:
/ OTHER INFORMATION: Clone ID: PAT_MRT3847_24320C.1
US-10-424-599-59036

Query Match      83.6%; Score 18.4; DB 17; Length 1309;
Best Local Similarity 95.0%; Pred. No. 2.5e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      3 TTCCCATCTCTCTTTCTTT 22
Db      57 TTCCCATCTCTGCTTT 38

RESULT 12
US-10-311-455-1419/c
/ Sequence 1419, Application US/10311455
/ Publication No. US20030143606A1
/ GENERAL INFORMATION:
/ APPLICANT: OLEK, Alexander
/ APPLICANT: PIRENBERG, Christian
/ APPLICANT: BERLIN, Kurt
/ TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Detect
/ FILE REFERENCE: 5013.1014
/ CURRENT APPLICATION NUMBER: US/10/311,455
/ CURRENT FILING DATE: 2002-12-16
/ PRIOR APPLICATION NUMBER: PCT/EP01/07537
/ PRIOR FILING DATE: 2001-07-02
/ PRIOR APPLICATION NUMBER: DE 10032529.7
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: DE 10043826.1
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/ PRIOR FILING DATE: 2000-09-01
/ NUMBER OF SEQ ID NOS: 2424
/ SEQ ID NO 1419
/ LENGTH: 6351
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1419

Query Match      83.6%; Score 18.4; DB 15; Length 6351;
Best Local Similarity 95.0%; Pred. No. 2.7e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      3 TTCCCATCTCTCTTTCTTT 22
Db      4736 TTCCCATCTCTCTTTCTTT 4717

RESULT 13
US-10-221-613-191/c
/ Sequence 191, Application US/10221613
/ Publication No. US20040029123A1
/ GENERAL INFORMATION:
/ APPLICANT: OLEK, Alexander
/ APPLICANT: PIRENBERG, Christian
/ APPLICANT: BERLIN, Kurt
/ TITLE OF INVENTION: Diagnosis of Diseases Associated with Cell Cycle
/ FILE REFERENCE: 5013.1004
/ CURRENT APPLICATION NUMBER: US/10/221,613
/ CURRENT FILING DATE: 2002-09-13
/ PRIOR APPLICATION NUMBER: PCT/EP01/02945
/ DE 10013847.00
/ DE 10019058.8
/ DE 10019173.8
/ DE 10032529.7
/ DE 10043826.1
/ PRIOR FILING DATE: 2001-03-15
/ 2000-03-15
/ 2000-04-06
/ 2000-04-07
/ 2000-06-30
/ 2000-09-01
/ NUMBER OF SEQ ID NOS: 428
/ SEQ ID NO 191
/ LENGTH: 6351
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-613-191

Query Match      83.6%; Score 18.4; DB 17; Length 6351;
Best Local Similarity 95.0%; Pred. No. 2.7e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      3 TTCCCATCTCTCTTTCTTT 22
Db      4736 TTCCCATCTCTCTTTCTTT 4717

RESULT 14
US-10-433-793-11/c
/ Sequence 11, Application US/10433793
/ Publication No. US20040142334A1
/ GENERAL INFORMATION:
/ APPLICANT: Epigenomics AG
/ TITLE OF INVENTION: Diagnose von mit Angiogenese assoziierten Krankheiten
/ FILE REFERENCE:
/ CURRENT APPLICATION NUMBER: US/10/433,793
/ CURRENT FILING DATE: 2003-06-06
/ NUMBER OF SEQ ID NOS: 212
/ SEQ ID NO 11
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; LENGTH: 23695
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-433-793-11

```

```

Query Match      83.6%; Score 18.4; DB 18; Length 23695;
Best Local Similarity 95.0%; Pred. No. 2.9e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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```

QY      3 TTCCCATCTCTCTTCTT 22
         ||||| ||||| |||||
Db      4736 TTCCCATCTCTCTTCTT 4717

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```

RESULT 15
US-10-741-600-17886/C
; Sequence 17886, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CI001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; NUMBER OF SEQ.ID NOS: 73997
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 17886
; LENGTH: 54016
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(54016)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-10-741-600-17886

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```

Query Match      83.6%; Score 18.4; DB 19; Length 54016;
Best Local Similarity 95.0%; Pred. No. 3e+02;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

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QY      3 TTCCCATCTCTCTTCTT 22
         ||||| ||||| |||||
Db      5841 TTCCCATCTCTCTTCTT 5822

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Search completed: February 28, 2005, 06:52:25
 Job time : 60.3236 secs

This Page Blank (uspro);

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: February 27, 2005, 22:36:57 ; Search time 4.06842 Seconds
(without alignments)
8043.788 Million cell updates/sec

Title: US-09-909-317-2
Perfect score: 20
Sequence: 1 aaatgtgtaactgactgca 20

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*
1: /cgn2_6/ptodata/1/ina/5A COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PC/US COMB.seq:*
#: /cgn2_6/ptodata/1/ina/backfileseq1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	20	100.0	20	3	US-09-280-181B-2
2	16.8	84.0	325	4	US-08-956-171E-1722
3	16.8	84.0	325	4	US-08-956-171E-1722
4	16.8	84.0	601	4	US-08-781-986A-1722
5	16.8	84.0	601	4	US-09-949-016-87851
6	16.8	84.0	601	4	US-09-949-016-87852
7	16.8	84.0	601	4	US-09-949-016-183202
8	16.8	84.0	601	4	US-09-949-016-186785
9	16.8	84.0	601	4	US-09-949-016-186786
10	16.8	84.0	23439	4	US-08-956-171E-38
11	16.8	84.0	62908	4	US-08-781-986A-38
12	16.8	84.0	86440	4	US-09-949-016-17554
13	16.8	84.0	86440	4	US-09-949-016-11945
14	16.8	84.0	123463	4	US-09-949-016-15990
15	16.8	84.0	129327	4	US-09-949-016-17078
16	16.8	84.0	129327	4	US-09-949-016-12257
17	16.8	84.0	159337	4	US-09-949-016-15358
18	16.8	84.0	232024	4	US-09-949-016-15359
19	16.8	84.0	254964	4	US-09-949-016-13477
20	16.8	84.0	254964	4	US-09-949-016-12583
21	16.8	84.0	670689	4	US-09-949-016-17392
22	16.8	84.0	670689	4	US-09-949-016-12505
23	16.8	84.0	786431	4	US-09-949-016-14207
24	16.4	82.0	271	3	US-09-751-389-3
25	16.4	82.0	271	4	US-09-222-575-50
26	16.4	82.0	271	4	US-09-389-681-50
27	16.4	82.0	271	4	US-09-620-405B-50

C	28	16.4	82.0	271	4	US-09-433-826B-50	Sequence 50, Appl
C	29	16.4	82.0	271	4	US-09-604-287A-50	Sequence 50, Appl
C	30	16.4	82.0	271	4	US-09-285-480-50	Sequence 50, Appl
C	31	16.4	82.0	271	4	US-09-834-759-50	Sequence 50, Appl
C	32	16.4	82.0	271	4	US-09-590-751A-50	Sequence 50, Appl
C	33	16.4	82.0	271	4	US-09-551-621-50	Sequence 1279, Ap
C	34	16.4	82.0	580	4	US-09-702-705-1279	Sequence 1279, Ap
C	35	16.4	82.0	580	4	US-09-736-457-1279	Sequence 1279, Ap
C	36	16.4	82.0	580	4	US-09-614-124B-1279	Sequence 1279, Ap
C	37	16.4	82.0	580	4	US-09-671-325-1279	Sequence 1279, Ap
C	38	16.4	82.0	580	4	US-09-658-824-1279	Sequence 1279, Ap
C	39	16.4	82.0	601	4	US-09-949-016-157857	Sequence 157857,
C	40	16.4	82.0	601	4	US-09-949-016-157858	Sequence 157858,
C	41	16.4	82.0	601	4	US-09-949-016-157859	Sequence 157859,
C	42	16.4	82.0	601	4	US-09-949-016-157860	Sequence 157860,
C	43	16.4	82.0	639	3	US-09-221-017B-741	Sequence 741, App
C	44	16.4	82.0	1001	4	US-09-671-317-149	Sequence 149, App
C	45	16.4	82.0	2279	4	US-09-702-705-1792	Sequence 1792, Ap

ALIGNMENTS

```
RESULT 1
US-09-280-181B-2
; Sequence 2, Application US/09280181B
; Patent No. 6286941
; GENERAL INFORMATION:
; APPLICANT: Betsy P. Teao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: P07 41735
; CURRENT APPLICATION NUMBER: US/09/280,181B
; NUMBER FILING DATE: 1999-03-29
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-280-181B-2

Query Match      100.0%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.59;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  AAATGTGTAATGACTGCA 20
      |||||
Db      1  AAATGTGTAATGACTGCA 20

RESULT 2
US-08-956-171E-1722/C
; Sequence 1722, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; APPLICANT: Gil H. Choi
; APPLICANT: Patrick S. Dillon
; APPLICANT: Craig A. Rosen
; APPLICANT: Steven C. Barash
; APPLICANT: Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESSES:
; ADDRESSER: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
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; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
; APPLICATION DATA:
; PRIORITY APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1722:
US-08-956-171E-1722

Query Match      84.0%; Score 16.8; DB 4; Length 325;
Best Local Similarity 90.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

CY      1 AAATTGGTAAATGACTGCA 20
DB      57 AACGTGTGTAATGACTGCA 38

RESULT 3
US-08-781-986A-1722/c
; Sequence 1722, Application US/08781986A
; Patent No. 6737248
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248BP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 1722:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-781-986A-1722

Query Match      84.0%; Score 16.8; DB 4; Length 325;
Best Local Similarity 90.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

CY      1 AAATTGGTAAATGACTGCA 20
DB      57 AACGTGTGTAATGACTGCA 38

RESULT 4
US-09-949-016-87851/c
; Sequence 87851, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 87851
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-87851

Query Match      84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

CY      1 AAATTGGTAAATGACTGCA 20
DB      250 AAATTGAGTAATGATTGCA 231

RESULT 5
US-09-949-016-87852/c
; Sequence 87852, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 87852
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human

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US-09-949-016-87852

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGTGTATGACTGCA 20
|||||
DB 249 AAATGTGTATGACTGCA 230

RESULT 6

US-09-949-016-183202/c
; Sequence 183202, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 183202
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-183202

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGTGTATGACTGCA 20
|||||
DB 156 AAATGTGTATGACTGCA 137

RESULT 7

US-09-949-016-186785/c
; Sequence 186785, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 186785
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-186785

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGTGTATGACTGCA 20
|||||
DB 520 AAATGTGTATGACTGCA 501

RESULT 8

US-09-949-016-186786/c
; Sequence 186786, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 186786
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-186786

Query Match 84.0%; Score 16.8; DB 4; Length 601;
Best Local Similarity 90.0%; Pred. No. 46;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 AAATGTGTATGACTGCA 20
|||||
DB 392 AAATGTGTATGACTGCA 373

RESULT 9

US-08-956-171E-38
; Sequence 38, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gail H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,966

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; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23439 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-08-956-171E-38

Query Match      84.0%; Score 16.8; DB 4; Length 23439;
Best Local Similarity 90.0%; Pred. No. 87;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGGTAAATGACTGCA 20
Db      22929 AACGTGGTAAATGACTGCA 22948

RESULT 10
US-08-781-986A-38
; Sequence 38, Application US/08781986A
; Patent No. 6737248
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 23439 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-781-986A-38

Query Match      84.0%; Score 16.8; DB 4; Length 23439;
Best Local Similarity 90.0%; Pred. No. 87;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGGTAAATGACTGCA 20
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Db      22929 AACGTGGTAAATGACTGCA 22948

RESULT 11
US-09-949-016-17554/C
; Sequence 17554, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17554
; LENGTH: 62908
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(62908)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17554

Query Match      84.0%; Score 16.8; DB 4; Length 62908;
Best Local Similarity 90.0%; Pred. No. 1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGGTAAATGACTGCA 20
Db      38163 AACGTGGTAAATGACTGCA 38144

RESULT 12
US-09-949-016-11945/C
; Sequence 11945, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11945
; LENGTH: 86439
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11945

Query Match      84.0%; Score 16.8; DB 4; Length 86439;
Best Local Similarity 90.0%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGGTAAATGACTGCA 20
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Db 23617 AAATTGGTGAATGCTGCA 23598

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RESULT 13
US-09-949-016-16990/c
; Sequence 16990, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14, 755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16990
; LENGTH: 86440
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16990
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Query Match 84.0%; Score 16.8; DB 4; Length 86440;
Best Local Similarity 90.0%; Pred. No. 1.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGCTGCA 20
Db 23617 AAATTGGTGAATGCTGCA 23598

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RESULT 14
US-09-949-016-17078/c
; Sequence 17078, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14, 755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17078
; LENGTH: 123463
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(123463)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-17078
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Query Match 84.0%; Score 16.8; DB 4; Length 123463;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGCTGCA 20
Db 29756 AAATTGGTGAATGCTGCA 29737

```
RESULT 15
US-09-949-016-12257/c
; Sequence 12257, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14, 755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12257
; LENGTH: 129327
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(129327)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12257
```

Query Match 84.0%; Score 16.8; DB 4; Length 129327;
Best Local Similarity 90.0%; Pred. No. 1.2e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 AAATTGGTGAATGCTGCA 20
Db 68053 AAATTGGTGAATGCTGCA 68034

Search completed: February 28, 2005, 01:15:05
Job time : 8.06842 secs

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RESULT 2
US-09-909-317-5/C
; Sequence 5, Application US/09909317

```
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OF INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18810-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIOR FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 2085
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-5
```

```
Query Match          100.0%; Score 20; DB 11; Length 2085;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 AAATTGGTATGACTGCA 20
      |||
Db      909 AAATTGGTATGACTGCA 890
```

```
RESULT 3
US-10-322-281-560/c
; Sequence 560, Application US/10322281
; Publication No. US20040126762A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001000
; CURRENT APPLICATION NUMBER: US/10/322,281
; CURRENT FILING DATE: 2002-12-17
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 560
; LENGTH: 68732
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(68732)
; OTHER INFORMATION: n = A,T,C or G
US-10-322-281-560
```

```
Query Match          90.0%; Score 18; DB 18; Length 68732;
Best Local Similarity 100.0%; Pred. No. 2,2e+02;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      3 ATTGTGTATGACTGCA 20
      |||
Db     13183 ATTGTGTATGACTGCA 13166
```

```
RESULT 4
US-10-719-993-16987/c
; Sequence 16987, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: Cargill, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CLO01496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
```

```
; SEQ ID NO 16987
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-16987
```

```
Query Match          84.0%; Score 16.8; DB 18; Length 201;
Best Local Similarity 90.0%; Pred. No. 3,4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 AAATTGGTATGACTGCA 20
      |||
Db     179 AAATTGGTATGACTGCA 160
```

```
RESULT 5
US-10-719-993-16988/c
; Sequence 16988, Application US/10719993
; Publication No. US20040265849A1
; GENERAL INFORMATION:
; APPLICANT: Cargill, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CLO01496
; CURRENT APPLICATION NUMBER: US/10/719,993
; CURRENT FILING DATE: 2003-11-24
; NUMBER OF SEQ ID NOS: 55342
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16988
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-719-993-16988
```

```
Query Match          84.0%; Score 16.8; DB 18; Length 201;
Best Local Similarity 90.0%; Pred. No. 3,4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 AAATTGGTATGACTGCA 20
      |||
Db     149 AAATTGGTATGACTGCA 130
```

```
RESULT 6
US-09-764-891-9678
; Sequence 9678, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9678
; LENGTH: 256
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-9678
```

```
Query Match          84.0%; Score 16.8; DB 10; Length 256;
Best Local Similarity 90.0%; Pred. No. 3,5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 AAATTGGTATGACTGCA 20
      |||
Db     86 AAATTGGTATGACTGCA 105
```

```
RESULT 7
US-08-781-986A-1722/c
```



```
; Sequence 1722, Application US/08781986A
; Publication No. US20030054436A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5255
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,986A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Benson, Bob
; REGISTRATION NUMBER: 30,446
; REFERENCE/DOCKET NUMBER: PB248PP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-781-986A-1722

Query Match      84.0%; Score 16.8; DB 8; Length 325;
Best Local Similarity 90.0%; Pred. No. 3.6e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 A A A T G T G T A A T G A C T G C A 20
Db      57 A A G G T G T G T A A T G A C T G C A 38

RESULT 8
US-10-329-624-1722/c
; Sequence 1722, Application US/10329624
; Publication No. US20040043037A1
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; OPERATING SYSTEM: MSDOS version 6.2
```

```
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/329,624
; FILING DATE: 27-Dec-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/956,171
; FILING DATE: October 20, 1997
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 1722:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1722:
US-10-329-624-1722
```

```
Query Match      84.0%; Score 16.8; DB 17; Length 325;
Best Local Similarity 90.0%; Pred. No. 3.6e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 A A A T G T G T A A T G A C T G C A 20
Db      57 A A G G T G T G T A A T G A C T G C A 38
```

```
RESULT 9
US-10-027-632-218409/c
; Sequence 218409, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 218409
; LENGTH: 663
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-218409
```

```
Query Match      84.0%; Score 16.8; DB 13; Length 663;
Best Local Similarity 90.0%; Pred. No. 4.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```



```
/
/ TELEFAX: (301) 309-8512
/ INFORMATION FOR SEQ ID NO: 38:
/ SEQUENCE CHARACTERISTICS:
/   LENGTH: 23439 base pairs
/   TYPE: nucleic acid
/   STRANDEDNESS: double
/   TOPOLOGY: linear
/ US-08-781-986A-38

Query Match      84.0%; Score 16.8; DB 8; Length 23439;
Best Local Similarity 90.0%; Pred. No. 7.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGGTAAATGACTGCA 20
Db      22929 AACGTGTGTAATGACTGCA 22948

RESULT 14
US-10-329-624-38
/ Sequence 38, Application US/10329624
/ Publication No. US20040043037A1
/ GENERAL INFORMATION:
/   APPLICANT: Charles Kunsch
/             Gil H. Choi
/             Patrick S. Dillon
/             Craig A. Rosen
/             Steven C. Barash
/             Michael R. Fannon
/ TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
/ NUMBER OF SEQUENCES: 5256
/ CORRESPONDENCE ADDRESS:
/   ADDRESSEE: Human Genome Sciences, Inc.
/   STREET: 9410 Key West Avenue
/   CITY: Rockville
/   STATE: Maryland
/   COUNTRY: USA
/   ZIP: 20850
/ COMPUTER READABLE FORM:
/   MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
/   COMPUTER: HP Vectra 486/33
/   OPERATING SYSTEM: MSDOS version 6.2
/   SOFTWARE: ASCII Text
/ CURRENT APPLICATION DATA:
/   APPLICATION NUMBER: US/10/329,624
/   FILING DATE: 27-Dec-2002
/ PRIOR APPLICATION DATA:
/   APPLICATION NUMBER: 08/956,171
/   FILING DATE: October 20, 1997
/   APPLICATION NUMBER: 60/009,861
/   FILING DATE: January 5, 1996
/   APPLICATION NUMBER: 08/781,986
/   FILING DATE: January 3, 1997
/ ATTORNEY/AGENT INFORMATION:
/   NAME: Mark J. Hyman
/   REGISTRATION NUMBER: 46,789
/   REFERENCE/DOCKET NUMBER: PB248P1D1
/ TELECOMMUNICATION INFORMATION:
/   TELEPHONE: (240) 314-1224
/   TELEFAX: (301) 309-8439
/ INFORMATION FOR SEQ ID NO: 38:
/ SEQUENCE CHARACTERISTICS:
/   LENGTH: 23439 base pairs
/   TYPE: nucleic acid
/   STRANDEDNESS: double
/   TOPOLOGY: linear
/ SEQUENCE DESCRIPTION: SEQ ID NO: 38:
/ US-10-329-624-38

Query Match      84.0%; Score 16.8; DB 17; Length 23439;
Best Local Similarity 90.0%; Pred. No. 7.1e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 AAATTGGTAAATGACTGCA 20
Db      22929 AACGTGTGTAATGACTGCA 22948

RESULT 15
US-10-210-723-13/C
/ Sequence 13, Application US/10210723
/ Publication No. US20040023382A1
/ GENERAL INFORMATION:
/   APPLICANT: Nicholas M. Dean
/   APPLICANT: C. Frank Bennett
/   APPLICANT: Kenneth W. Doble
/ TITLE OF INVENTION: ANTISENSE MODULATION OF PPP3CB EXPRESSION
/ FILE REFERENCE: PTS-0028
/ CURRENT APPLICATION NUMBER: US/10/210,723
/ CURRENT FILING DATE: 2002-07-31
/ NUMBER OF SEQ ID NOS: 141
/ SEQ ID NO 13
/ LENGTH: 70000
/ TYPE: DNA
/ ORGANISM: H. sapiens
/ FEATURE:
/   NAME/KEY: misc feature
/   LOCATION: 63612-63711
/ OTHER INFORMATION: n = A,T,C or G
/ US-10-210-723-13

Query Match      84.0%; Score 16.8; DB 17; Length 70000;
Best Local Similarity 90.0%; Pred. No. 8.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 AAATTGGTAAATGACTGCA 20
Db      39997 AAACGTGTGTAATGACTGCA 39978

Search completed: February 28, 2005, 06:52:29
Job time : 53.3851 secs
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```

? PRIOR FILING DATE: 2000-09-08
? NUMBER OF SEO ID NOS: 207012
? SOFTWARE: Fastseq for Windows Version 4.0
? SEO ID NO 17468
? LENGTH: 88906
? TYPE: DNA
? ORGANISM: Human
? FEATURE:
? NAME:KEY
? LOCATION: (1)...(88906)
? OTHER INFORMATION: n = A,T,C or G
IS-09-949-016-17468

```

Query Match	72.2%;	Score 36.8;	DB 4;	length 88306;
Best Local Similarity	85.4%;	Pred. No. 0.0022;		
Matches 41; Conservative	0;	Mismatches 7;	Indels 0;	Gaps 0;

```

QY      1  CCATCTCTTTTACACACACACACACACACAAATATCT 48
          |||||  |||||  |||||  |||||  |||||
Db      76651  CACATCTCTTTCTTCAACACACACACACACACAGGTTCT 76604

```

```

RESULT 3
US-09-513-999C-13589/C
; Sequence 13589, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J. B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J. Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins
; Patent No. 6783961
; FILE REFERENCE: 59. US2.REG
; CURRENT APPLICATION NUMBER: US/09/513.999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 13589
; LENGTH: 182
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-13589

```

Query Match	70.6%	Score 36	DB 4	length 182
Best Local Similarity	88.6%	Pred. No. 0.0012		
Matches	39	conservative	0	Mismatches 5; Indels 0; Gaps 0
QY	5	TCTCTTTCTTTACACACACACACACACAAATATCT	48	
Db	180	TCTCTTTCTTTACACACACACACACACACAAATTTAT	137	

```

RESULT 4
US-09-949-016-17009
; Sequence 17009, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0

```

```

; SEQ ID NO 17009
; LENGTH: 205163
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17009

```

Query Match	69.4%	Score 35.4;	DB 4;	Length 205163;
Best Local Similarity	97.3%	Pred. No. 0.0079;		
Matches 36;	Conservative 0;	Mismatches 1;	Indels 0;	Gaps 0;

QY	14	TTACACACACACACACACACAAATATCTGA	50
Db	136078	TTACACACACACACACACACAAATTA	136114

```

RESULT 5
US-09-949-016-11808/C
; Sequence 11808, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11808
; LENGTH: 636591
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(636591)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11808

```

Query	1	CCCATCTCTTTCTTACACACACACACACACACAAATATCTGAT	51
Db	399702	CACATGCTTCTTTAAACACACACACACACACACATTAATGAT	399652

```

RESULT 6
US-09-949-016-13388/c
; Sequence 13388, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTNER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001037
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR APPLICATION NUMBER: 2000-04-14
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13388

```

```
/ LENGTH: 636591
/ TYPE: DNA
/ ORGANISM: Human
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1)..(636591)
/ OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13388

Query Match      68.2%; Score 35; DB 4; Length 636591;
Best Local Similarity 80.4%; Pred. No. 0.014;
Matches 41; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 1 CCATCTCTCTTTTACACACACACACACACACAAATATCTGAT 51
Db 399702 CACATGCTTTCTTTTAAACACACACACACACACACATTAAGAT 399652

RESULT 7
US-09-949-016-22412/c
/ Sequence 22412; Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ. ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 22412
/ LENGTH: 601
/ TYPE: DNA
/ ORGANISM: Human
US-09-949-016-22412

Query Match      68.2%; Score 34.8; DB 4; Length 601;
Best Local Similarity 84.8%; Pred. No. 0.0041; 7; Indels 0; Gaps 0;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 4 ATCTCTTCTTTTACACACACACACACACACAAATATCTG 49
Db 66 ACCTCTTATACACACACACACACACACACACAAATGATG 21

RESULT 8
US-09-949-016-22414/c
/ Sequence 22414; Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ. ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 22414
/ LENGTH: 601
```

```
/ TYPE: DNA
/ ORGANISM: Human
US-09-949-016-22414

Query Match      68.2%; Score 34.8; DB 4; Length 601;
Best Local Similarity 84.8%; Pred. No. 0.0041; 7; Indels 0; Gaps 0;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 4 ATCTCTTCTTTTACACACACACACACACACAAATATCTG 49
Db 386 ACCTCTTATACACACACACACACACACACACAAATGATG 341

RESULT 9
US-09-949-016-154217/c
/ Sequence 154217; Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ. ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 154217
/ LENGTH: 601
/ TYPE: DNA
/ ORGANISM: Human
US-09-949-016-154217

Query Match      68.2%; Score 34.8; DB 4; Length 601;
Best Local Similarity 84.8%; Pred. No. 0.0041; 7; Indels 0; Gaps 0;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 4 ATCTCTTCTTTTACACACACACACACACACAAATATCTG 49
Db 66 ACCTCTTATACACACACACACACACACACACAAATGATG 21

RESULT 10
US-09-949-016-154219/c
/ Sequence 154219; Application US/09949016
/ Patent No. 6812339
/ GENERAL INFORMATION:
/ APPLICANT: VENTER, J. Craig et al.
/ TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
/ TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
/ FILE REFERENCE: CL001307
/ CURRENT APPLICATION NUMBER: US/09/949,016
/ CURRENT FILING DATE: 2000-04-14
/ PRIOR APPLICATION NUMBER: 60/241,755
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/237,768
/ PRIOR FILING DATE: 2000-10-03
/ PRIOR APPLICATION NUMBER: 60/231,498
/ PRIOR FILING DATE: 2000-09-08
/ NUMBER OF SEQ. ID NOS: 207012
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 154219
/ LENGTH: 601
/ TYPE: DNA
/ ORGANISM: Human
US-09-949-016-154219

Query Match      68.2%; Score 34.8; DB 4; Length 601;
```

Best Local Similarity 84.8%; Pred. No. 0.0041;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 4 ATCTCTTTTACACACACACACACACACAAATATCTG 49
DB 386 ACCTCTTTATACACACACACACACACACGAAATGTATG 341

RESULT 11
US-09-949-016-11957
; Sequence 11957, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CI001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11957
; LENGTH: 64813
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-11957

Query Match 68.2%; Score 34.8; DB 4; Length 64813;
Best Local Similarity 84.8%; Pred. No. 0.01;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 4 ATCTCTTTTACACACACACACACACACAAATATCTG 49
DB 37795 ACCTCTTTATACACACACACACACACACGAAATGTATG 37840

RESULT 12
US-09-949-016-16064
; Sequence 16064, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CI001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16064
; LENGTH: 70131
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16064

Query Match 68.2%; Score 34.8; DB 4; Length 70131;
Best Local Similarity 84.8%; Pred. No. 0.01;
Matches 39; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 4 ATCTCTTTTACACACACACACACACACAAATATCTG 49

DB 43449 ACCTTTATACACACACACACACACACGAAATGTATG 43494

RESULT 13
US-09-949-016-142943
; Sequence 142943, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CI001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142943
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142943

Query Match 67.8%; Score 34.6; DB 4; Length 601;
Best Local Similarity 90.2%; Pred. No. 0.0048;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 CCATCTCTTTTACACACACACACACACACAAA 42
DB 135 CCATTATTTTATACACACACACACACACACACACACA 175

RESULT 14
US-09-949-016-142944
; Sequence 142944, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CI001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 142944
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142944

Query Match 67.8%; Score 34.6; DB 4; Length 601;
Best Local Similarity 90.2%; Pred. No. 0.0048;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 CCATCTCTTTTACACACACACACACACACAAA 42
DB 214 CCATTATTTTATACACACACACACACACACACACA 254

RESULT 15
US-09-949-016-142945


```

; Sequence 142945, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 142945
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-142945

```

```

Query Match      67.8%; Score 34.6; DB 4; Length 601;
Best Local Similarity 90.2%; Pred. No. 0.0048;
Matches 37; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY      2 CCATCTCTTCTTTACACACACACACACACACACACAA 42
Db      397 CCATTATTTTCATTACACACACACACACACACACACA 437

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Search completed: February 28, 2005, 06:54:46
Job time : 134 secs

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```
Publication No. US20030082609A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
FILE REFERENCE: 5013.1003
CURRENT APPLICATION NUMBER: US/10/239,676
CURRENT FILING DATE: 2002-09-24
PRIOR APPLICATION NUMBER: PCT/EP01/03968
DE 10019058.8
DE 10019173.8
DE 10032529.7
DE 10043826.1
PRIOR FILING DATE: 2001-04-06
2000-04-06
2000-04-07
2000-06-30
2000-09-01
NUMBER OF SEQ ID NOS: 228
SEQ ID NO 2
LENGTH: 10619
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-2
```

```
Query Match
Best Local Similarity 79.2%; Score 40.4; DB 14; Length 10619;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1 CCCATCTCTTTCTTACACACACACACACACACACAA 42
DB 6678 CCCATCTCTTTCTTACACACACACACACACACACAA 6637
```

```
RESULT 3
US-10-311-455-44/c
Sequence 44, Application US/10311455
Publication No. US20030143606A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Detect
FILE REFERENCE: 5013.1014
CURRENT APPLICATION NUMBER: US/10/311,455
CURRENT FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: PCT/EP01/07537
PRIOR FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 44
LENGTH: 10619
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-44
```

```
Query Match
Best Local Similarity 79.2%; Score 40.4; DB 15; Length 10619;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1 CCCATCTCTTTCTTACACACACACACACACACACAA 42
DB 6678 CCCATCTCTTTCTTACACACACACACACACACACAA 6637
```

```
RESULT 4
US-10-240-453-2/c
Sequence 2, Application US/10240453
Publication No. US20030148326A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA
TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated
FILE REFERENCE: 5013.1009
CURRENT APPLICATION NUMBER: US/10/240,453
CURRENT FILING DATE: 2002-10-02
PRIOR APPLICATION NUMBER: PCT/EP01/03973
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: DE 10019058.8
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 350
SEQ ID NO 2
LENGTH: 10619
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-453-2
```

```
Query Match
Best Local Similarity 79.2%; Score 40.4; DB 15; Length 10619;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

```
QY 1 CCCATCTCTTTCTTACACACACACACACACACACAA 42
DB 6678 CCCATCTCTTTCTTACACACACACACACACACACAA 6637
```

```
RESULT 5
US-10-240-589C-2/c
Sequence 2, Application US/10240589C
Publication No. US20040076956A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
TITLE OF INVENTION: Diagnosis of Diseases Associated with
FILE REFERENCE: 5013.1008
CURRENT APPLICATION NUMBER: US/10/240,589C
CURRENT FILING DATE: 2003-09-02
PRIOR APPLICATION NUMBER: PCT/EP01/03972
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: DE 10019058.8
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 148
SEQ ID NO 2
LENGTH: 10619
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
```

```
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-589c-2
Query Match          79.2%; Score 40.4; DB 17; Length 10619;
Best Local Similarity 97.6%; Pred. No. 0.00034;
Matches 41; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTACACACACACACACACACACAA 42
    |||||
Db 6678 CCCATCTCTTCTTACACACACACACACACACACACA 6637

RESULT 6
US-10-674-124A-3039
; Sequence 3039, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIVA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; PRIOR FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 3039
; LENGTH: 400
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: AC010744.4_97739
; FEATURE:
; OTHER INFORMATION: Located on chromosome 2
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 84667136
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 18142
US-10-674-124A-3039

Query Match          75.7%; Score 38.6; DB 18; Length 400;
Best Local Similarity 91.1%; Pred. No. 0.00079;
Matches 41; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 5 TCTCTTCTTTACACACACACACACACACAAATATCTG 49
    |||||
Db 178 TCTCTCTCTATACACACACACACACACACATATATATG 222

RESULT 7
US-10-674-124A-10920
; Sequence 10920, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIVA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A

; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 10920
; LENGTH: 154
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: D65988
; FEATURE:
; OTHER INFORMATION: Located on chromosome 6
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 13160898
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 107348
US-10-674-124A-10920

Query Match          73.3%; Score 37.4; DB 18; Length 154;
Best Local Similarity 87.2%; Pred. No. 0.0017;
Matches 41; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 5 TCTCTTCTTTACACACACACACACACACAAATATCTGAT 51
    |||||
Db 76 TCTCTTCTCTGACACACACACACACACACACACTCTCTCAT 122

RESULT 8
US-10-357-930-55243
; Sequence 55243, Application US/10357930
; Publication No. US20040259086A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson
; APPLICANT: Monahan, John
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF
; TITLE OF INVENTION: HUMAN PROSTATE CANCER
; FILE REFERENCE: MRI-007HCN
; CURRENT APPLICATION NUMBER: US/10/357,930
; PRIOR FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: 09/785,276
; PRIOR FILING DATE: 2003-02-16
; PRIOR APPLICATION NUMBER: 60/183,319
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 60/189,862
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/207,454
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: 60/211,314
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 60/219,007
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: 60/255,281
; PRIOR FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 62232
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 55243
; LENGTH: 621
; TYPE: DNA
; ORGANISM: Homo sapiens
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FEATURE:
NAME/KEY: misc_feature
LOCATION: 31
OTHER INFORMATION: n = A,T,C or G
US-10-357-930-55243

Query Match 72.5%; Score 37; DB 18; Length 621;
Best Local Similarity 88.9%; Pred. No. 0.0031;
Matches 40; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 5 TCTCTTCTTACACACACACACACACACAAATATCTG 49
DB 161 TCTCTTCTTACACACACACACACACACAAATATGCTG 205

RESULT 9
US-10-160-807-4/c
Sequence 4, Application US/10160807
Publication No. US2003022451A1
GENERAL INFORMATION:
APPLICANT: William Gaarde
APPLICANT: Susan M. Freier
APPLICANT: Andrew T. Matt
TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-DELTA EXPRESSION
FILE REFERENCE: RRS-0189
CURRENT APPLICATION NUMBER: US/10/160,807
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 236
SEQ ID NO 4
LENGTH: 104245
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
US-10-160-807-4

Query Match 72.2%; Score 36.8; DB 17; Length 104245;
Best Local Similarity 85.4%; Pred. No. 0.0093;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTCAACACACACACACACACAAATATCT 48
DB 90002 CACATCTCTTCTTCAACACACACACACACACAGGTTCT 89955

RESULT 10
US-10-655-847-4/c
Sequence 4, Application US/10655847
Publication No. US20040063129A1
GENERAL INFORMATION:
APPLICANT: William Gaarde
APPLICANT: Susan M. Freier
APPLICANT: Andrew T. Matt
TITLE OF INVENTION: ANTISENSE MODULATION OF PPAR-DELTA EXPRESSION
FILE REFERENCE: RRS-0189
CURRENT APPLICATION NUMBER: US/10/655,847
CURRENT FILING DATE: 2003-09-05
PRIOR APPLICATION NUMBER: US/10/160,807
PRIOR FILING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 296
SEQ ID NO 4
LENGTH: 104245
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
US-10-655-847-4

Query Match 72.2%; Score 36.8; DB 17; Length 104245;
Best Local Similarity 85.4%; Pred. No. 0.0093;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTCAACACACACACACACACAAATATCT 48
DB 90002 CACATCTCTTCTTCAACACACACACACACACAGGTTCT 89955

RESULT 11
US-10-717-597-322
Sequence 322, Application US/10717597
Publication No. US20040110221A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Burczynski, Michael E.
APPLICANT: Twine, Natalie C.
APPLICANT: Dornier, Andrew J.
APPLICANT: Trepicchio, William L.
APPLICANT: Slonim, Donna K.
APPLICANT: Stover, Jennifer A.
TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
FILE REFERENCE: AM101080L
CURRENT APPLICATION NUMBER: US/10/717,597
CURRENT FILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 60/459,782
PRIOR FILING DATE: 2003-04-03
PRIOR APPLICATION NUMBER: US 60/427,982
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: PatentIn version 3.2
SEQ ID NO 322
LENGTH: 170245
TYPE: DNA
ORGANISM: Homo sapiens
US-10-717-597-322

Query Match 72.2%; Score 36.8; DB 18; Length 170245;
Best Local Similarity 85.4%; Pred. No. 0.01;
Matches 41; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 CCCATCTCTTCTTCAACACACACACACACACAAATATCT 48
DB 80244 CACATCTCTTCTTCAACACACACACACACACAGGTTCT 80291

RESULT 12
US-10-674-124A-18213
Sequence 18213, Application US/10674124A
Publication No. US2004019797A1
GENERAL INFORMATION:
APPLICANT: TAMURA, Gen
APPLICANT: INOKO, Hidetoshi
TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
FILE REFERENCE: ORIN-003CIP
CURRENT APPLICATION NUMBER: US/10/674,124A
CURRENT FILING DATE: 2003-09-26
PRIOR APPLICATION NUMBER: 10/257,511
PRIOR FILING DATE: 2003-03-07
PRIOR APPLICATION NUMBER: PCT/JP00/07621
PRIOR FILING DATE: 2000-10-30
PRIOR APPLICATION NUMBER: JP2000-112699
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: JP2002-327516
PRIOR FILING DATE: 2002-09-28
PRIOR APPLICATION NUMBER: JP2002-383869
PRIOR FILING DATE: 2002-12-09
NUMBER OF SEQ ID NOS: 27110
SEQ ID NO 18213
LENGTH: 419
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: AC004802.1_36841
OTHER INFORMATION: Located on chromosome 12
OTHER INFORMATION: Distance between a terminus base of telomere on
OTHER INFORMATION: chromosome short arm and 5'-terminus of this base

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; OTHER INFORMATION: sequence : 1189010
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 223511
US-10-674-124A-18213
```

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Query Match          71.0%; Score 36.2; DB 18; Length 419;
Best Local Similarity 83.7%; Pred. No. 0.0054;
Matches 41; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
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QY      1  CCCATCTCTTTCTTTACACACACACACACACACAAAATATCTG 49
Db      243 CCCATGTGTGTATTATACACACACACACACACACACACTTCTG 291
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RESULT 13
US-10-027-632-259460/c
; Sequence 259460, Application US/10027632
; Publication No. US2002019837A1
; GENERAL INFORMATION:
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; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 259460
; LENGTH: 657
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-259460
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Query Match          70.6%; Score 36; DB 13; Length 657;
Best Local Similarity 100.0%; Pred. No. 0.0069;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      5  TCTCTTTCTTTACACACACACACACACACACA 40
Db      174 TCTCTTTCTTTACACACACACACACACACACA 139
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RESULT 14
US-10-027-632-259460/c
; Sequence 259460, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
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; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
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; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 259460
; LENGTH: 657
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-259460
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Query Match          70.6%; Score 36; DB 17; Length 657;
Best Local Similarity 100.0%; Pred. No. 0.0069;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      5  TCTCTTTCTTTACACACACACACACACACACA 40
Db      174 TCTCTTTCTTTACACACACACACACACACACA 139
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RESULT 15
US-10-674-124A-12309
; Sequence 12309, Application US/10674124A
; Publication No. US2004019797A1
; GENERAL INFORMATION:
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; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMURA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 12309
; LENGTH: 143
; TYPE: DNA
; ORGANISM: Homo sapiens
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QY      5  TCTCTTTCTTTACACACACACACACACACACA 40
Db      174 TCTCTTTCTTTACACACACACACACACACACA 139
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; FEATURE:
; OTHER INFORMATION: Located on chromosome 7
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 81430512
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 39232
US-10-674-124A-12309
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Query Match          69.8%; Score 35.6; DB 18; Length 143;
Best Local Similarity 90.5%; Pred. No. 0.0072;
Matches 38; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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QY      1  CCCATCTCTTTCTTTACACACACACACACACACAAA 42
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Mon Feb 28 11:42:46 2005

us-09-909-317-5_copy_830_880.rnpb

Page 6

Db

56 CCTCTCTTCTCTACACACACACACACACACACA 97

Search completed: February 28, 2005, 08:15:12
Job time : 491 secs

GenCore version 5.1.6
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OW nucleic - nucleic search, using sw model

Run on: February 28, 2005, 06:52:50 ; Search time 374 Seconds
(without alignments)
9122.024 Million cell updates/sec

Title: US-09-909-317-5

Perfect score: 2085

Sequence: 1 tttagggagatagctgtgt.....cgggccgctgctggcg9999 2085

Scoring table: OLIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0

Total number of Hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-Processing: Listing first 45 summaries

Database :

Issued Patents NA:*

- 1: /cgn2_6/prodata/1/ina/5A COMB.seq:*
- 2: /cgn2_6/prodata/1/ina/5B COMB.seq:*
- 3: /cgn2_6/prodata/1/ina/6A COMB.seq:*
- 4: /cgn2_6/prodata/1/ina/6B COMB.seq:*
- 5: /cgn2_6/prodata/1/ina/PCTUS COMB.seq:*
- 6: /cgn2_6/prodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	175	8.4	3660	3 US-09-517-467B-3	Sequence 3, Appl
2	175	8.4	3747	1 US-08-044-618-5	Sequence 5, Appl
3	120	5.8	3045	4 US-09-596-248D-24	Sequence 24, Appl
4	73	3.5	3792	3 US-08-860-886-1	Sequence 1, Appl
5	71	3.4	3200	4 US-09-596-248D-46	Sequence 46, Appl
6	64	3.1	5345	1 US-08-044-618-7	Sequence 7, Appl
7	50	2.4	8848	4 US-09-949-016-14854	Sequence 14854, A
8	46	2.2	601	4 US-09-949-016-178057	Sequence 178057, A
9	46	2.2	601	4 US-09-949-016-178058	Sequence 178058, A
10	46	2.2	69909	4 US-09-949-016-13423	Sequence 13423, A
11	46	2.2	98302	4 US-09-949-016-16847	Sequence 16847, A
12	45	2.2	114426	4 US-09-949-016-15078	Sequence 15078, A
13	45	2.2	73	4 US-09-513-999C-16098	Sequence 16098, A
14	45	2.2	74	4 US-09-513-999C-16110	Sequence 16110, A
15	45	2.2	123	4 US-09-513-999C-29990	Sequence 29990, A
16	45	2.2	2181	2 US-08-737-171A-1	Sequence 1, Appl
17	45	2.2	2181	5 PCT-US95-05853-1	Sequence 1, Appl
18	45	2.2	46253	4 US-09-949-016-11890	Sequence 11890, A
19	45	2.2	46257	4 US-09-949-016-13711	Sequence 13711, A
20	45	2.2	194889	4 US-09-949-016-15654	Sequence 15654, A
21	44	2.1	24204	4 US-09-949-016-16232	Sequence 16232, A
22	44	2.1	77626	4 US-09-949-016-12608	Sequence 12608, A
23	44	2.1	112623	4 US-09-949-016-14374	Sequence 14374, A
24	43	2.1	601	4 US-09-949-016-18032	Sequence 18032, A
25	43	2.1	601	4 US-09-949-016-18033	Sequence 18033, A
26	43	2.1	601	4 US-09-949-016-144922	Sequence 144922, A
27	43	2.1	601	4 US-09-949-016-161292	Sequence 161292, A

28	43	2.1	601	4 US-09-949-016-161293	Sequence 161293, A
29	43	2.1	2252	4 US-09-949-016-4519	Sequence 4519, Ap
30	43	2.1	2273	4 US-09-949-016-19	Sequence 19, Appl
31	43	2.1	8905	4 US-09-949-016-11761	Sequence 11761, A
32	43	2.1	8907	4 US-09-949-016-16261	Sequence 16261, A
33	43	2.1	113042	4 US-09-949-016-12343	Sequence 12343, A
34	43	2.1	113042	4 US-09-949-016-15246	Sequence 15246, A
35	43	2.1	152132	4 US-09-949-016-13845	Sequence 13845, A
36	43	2.1	152145	4 US-09-949-016-12371	Sequence 12371, A
37	43	2.1	177251	4 US-09-949-016-15841	Sequence 15841, A
38	42	2.0	601	4 US-09-949-016-193479	Sequence 193479, A
39	42	2.0	1638	4 US-09-620-312D-810	Sequence 810, App
40	42	2.0	16738	4 US-09-949-016-12168	Sequence 12168, A
41	42	2.0	16738	4 US-09-949-016-14678	Sequence 14678, A
42	42	2.0	35609	4 US-09-949-016-17370	Sequence 17370, A
43	42	2.0	38206	4 US-09-949-016-15827	Sequence 15827, A
44	42	2.0	40493	4 US-09-949-016-15453	Sequence 15453, A
45	42	2.0	41863	4 US-09-949-016-14948	Sequence 14948, A

ALIGNMENTS

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RESULT 1
US-09-517-467B-3
; Sequence 3, Application US/09517467B
; Patent No. 6451602
; GENERAL INFORMATION:
; APPLICANT: Ian Popoff
; TITLE OF INVENTION: ANTISENSE MODULATION OF PARP EXPRESSION
; FILE REFERENCE: RTS-0150
; CURRENT APPLICATION NUMBER: US/09/517,467B
; PRIOR APPLICATION NUMBER: 09/517,467
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 3
; LENGTH: 3660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (160)...(3204)
US-09-517-467B-3

Query Match      8.4%; Score 175; DB 3; Length 3660;
Best Local Similarity 100.0%; Pred. No. 6e-59;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1888 GGTGTTCTAGGTCGTGCGTCCGGGCTTCCGGAGCTTTGGCGGCGAGCTTAGGGGAGATGGC 1947
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DB      105  GGTGTTCTAGGTCGTGCGTCCGGGCTTCCGGAGCTTTGGCGGCGAGCTTAGGGGAGATGGC 164

QY      1948 GGAGTCTTGAGTTAAGCTCTATCGAGTGCAGAGAGGCGCGCTTTGCA 2007
          |||||
DB      165  GGAGTCTTGAGTTAAGCTCTATCGAGTGCAGAGAGGCGCGCTTTGCA 224

QY      2008 GAATGACGAGAGAGCATCCCAAGAGCTCGCTCCGATGGCCATATGTCAG 2062
          |||||
DB      225  GAATGACGAGAGAGCATCCCAAGAGCTCGCTCCGATGGCCATATGTCAG 279

RESULT 2
US-08-044-618-5
; Sequence 5, Application US/08044618
; Patent No. 5449605
; GENERAL INFORMATION:
; APPLICANT: SWILSON, MARK
; TITLE OF INVENTION: METHOD OR DETECTING A PREDISPOSITION TO
; TITLE OF INVENTION: CANCER BY THE USED OF RESTRICTION FRAGMENT LENGTH
; TITLE OF INVENTION: POLYMORPHISM OF THE GENE FOR THE HUMAN POLY (ADP-RIBOSE)
; TITLE OF INVENTION: POLYMERASE
```

```

; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Suite 300
; CITY: Washington
; STATE: D.C.
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Releasee #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/044,618
; FILING DATE: 1993/04/06
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/257,696
; FILING DATE: 14-OCT-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: FOX, SAMUEL L
; REGISTRATION NUMBER: 30,353
; REFERENCE/DOCKET NUMBER: 0654.0490001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)466-0800
; TELEFAX: (202)833-8716
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3747 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; US-08-044-618-5

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Query Match      8.4%; Score 175; DB 1; Length 3747;
Best Local Similarity 100.0%; Pred. No. 6e-59;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1888 GGTGTTTCTAGTGTGCGGCTCGGCGCTTCCGAGAGCTTTGGCGGAGGATGAGATGAGC 1947
DB      136 GGTGTTTCTAGTGTGCGGCTCGGCGCTTCCGAGAGCTTTGGCGGAGGATGAGATGAGC 195
QY      1948 GGAAGCTTCTGATAGCTCTATCGAGTACGCAAGCGGCGGCGCTCTTGGCA 2007
DB      136 GGAAGCTTCTGATAGCTCTATCGAGTACGCAAGCGGCGGCGCTCTTGGCA 255
QY      2008 GAAATGCAAGCAGAGATCCCAAGAGACTCGCTCCGATGCGCATCATGTGCAG 2062
DB      256 GAAATGCAAGCAGAGATCCCAAGAGACTCGCTCCGATGCGCATCATGTGCAG 310

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RESULT 3
US-09-596-248D-24
; Sequence 24, Application US/09596248D
; Patent No. 6599727
; GENERAL INFORMATION:
; APPLICANT: Christenson, Erik
; APPLICANT: Demaggio, Anthony J
; APPLICANT: Goldman, Phyllis S
; APPLICANT: McElligott, David L
; TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and
; FILE REFERENCE: 27866/36544
; CURRENT APPLICATION NUMBER: US/09/596,248D
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: 60/139,543
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 24
; LENGTH: 3045
; TYPE: DNA

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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(3045)
; OTHER INFORMATION:
; US-09-596-248D-24

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Query Match      5.8%; Score 120; DB 4; Length 3045;
Best Local Similarity 100.0%; Pred. No. 1.6e-37;
Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1943 ATGGCGAGTCTTCCGATAGCTCTATCGAGTACGAGCCAGAGCGGCGGCGCTCT 2002
DB      1 ATGGCGAGTCTTCCGATAGCTCTATCGAGTACGAGCCAGAGCGGCGGCGCTCT 60
QY      2003 TGCAGAAATGACGAGGAGCATCCCAAGACTCGCTCCGATGCGCATCATGTGCGAG 2062
DB      61 TGCAGAAATGACGAGGAGCATCCCAAGACTCGCTCCGATGCGCATCATGTGCGAG 120

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RESULT 4
US-08-860-886-1
; Sequence 1, Application US/08860886
; Patent No. 6335009
; GENERAL INFORMATION:
; APPLICANT: Burke, Alexander
; APPLICANT: Zur Haesen, Harald
; APPLICANT: Jan-Helner, Kupper
; TITLE OF INVENTION: VECTORS AND VIRUSES FOR USE
; TITLE OF INVENTION: IN GENE THERAPY
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds, LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2811

```

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/860,886
; FILING DATE: 03-OCT-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:

```

```

; ATTORNEY/AGENT INFORMATION:
; NAME: Cornuzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 8484-0028-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-493-4935
; TELEFAX: 650-493-5556
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3792 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 96...3134
; OTHER INFORMATION:
; US-08-860-886-1

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Query Match      3.5%; Score 73; DB 3; Length 3792;
Best Local Similarity 98.9%; Pred. No. 3.1e-19;
Matches 173; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY      1888 GTGTTTCTAGTGTGCGTGGGCTTCGGAGCTTTGGGCGAGCTAGGAGGATGGC 1947
         41 GTGTTTCTAGTGTGCGTGGGCTTCGGAGCTTTGGGCGAGCTAGGAGGATGGC 100
QY      1948 GGAGTCTTCGATTAAGCTCTATCGAGTCAAGTACGCGGAGGCGGCGCTTTCGCA 2007
         101 GGAGTCTTCGATTAAGCTCTATCGAGTCAAGTACGCGGAGGCGGCGCTTTCGCA 160
QY      2008 GAAATGACGCGAGAGCATCCCAAGAGCTGCTCCGATGCGCATCATGTGTCAG 2062
         161 GAAATGACGCGAGAGCATCCCAAGAGCTGCTCCGATGCGCATCATGTGTCAG 215

RESULT 5
US-09-596-24BD-46
; Sequence 46, Application US/0959624BD
; Patent No. 6599727
; GENERAL INFORMATION:
; APPLICANT: Christenson, Erik
; APPLICANT: Demaggio, Anthony J
; APPLICANT: Goldman, Phyllis S
; APPLICANT: McElligott, David L
; TITLE OF INVENTION: Human Poly(ADP-Ribose) Polymerase 2 Materials and
; TITLE OF INVENTION: Methods
; FILE REFERENCE: 27866/36544
; CURRENT APPLICATION NUMBER: US/09/596,24BD
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: 60/139,543
; PRIOR FILING DATE: 1999-06-16
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 46
; LENGTH: 3200
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: hPARP1/hPARP2
;
US-09-596-24BD-46

Query Match      3.4%; Score 71; DB 4; Length 3200;
Best Local Similarity 100.0%; Pred. No. 1.9e-18;
Matches 71; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1943 ATGCGCGAGTCTTCGATTAAGCTCTATCGAGTCAAGTACGCGGAGGCGGCGCTT 2002
         109 ATGCGCGAGTCTTCGATTAAGCTCTATCGAGTCAAGTACGCGGAGGCGGCGCTT 168
QY      2003 TGCAGAAATG 2013
         169 TGCAGAAATG 179
Db

RESULT 6
US-08-044-618-7
; Sequence 7, Application US/08044618
; Patent No. 5449605
; GENERAL INFORMATION:
; APPLICANT: SMULSON, MARK
; TITLE OF INVENTION: METHOD OR DETECTING A PREDISPOSITION TO
; TITLE OF INVENTION: CANCER BY THE USED OF RESTRICTION FRAGMENT LENGTH
; TITLE OF INVENTION: POLYMORPHISM OF THE GENE FOR THE HUMAN POLY (ADP-RIBOSE)
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Suite 300
; CITY: Washington
; STATE: D.C.
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/044,618
FILING DATE: 19930406
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/257,696
FILING DATE: 14-OCT-1988
ATTORNEY/AGENT INFORMATION:
NAME: FOX, SAMUEL L
REGISTRATION NUMBER: 30,353
REFERENCE/DOCKET NUMBER: 0654,0490001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)466-0800
TELEFAX: (202)833-8716
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 5345 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: both
TOPOLOGY: linear
; MOLECULE TYPE: DNA

US-08-044-618-7

Query Match      3.1%; Score 64; DB 1; Length 5345;
Best Local Similarity 100.0%; Pred. No. 9.6e-16;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1998 CCTCTGCAAGAAATGACGAGAGCATCCCAAGAGCTCGCTCCGGATGCCATCATGG 2057
         828 CCTCTGCAAGAAATGACGAGAGCATCCCAAGAGCTCGCTCCGGATGCCATCATGG 887
Db      2058 TGCA 2061
         888 TGCA 891
QY      2058 TGCA 2061
         888 TGCA 891
Db

RESULT 7
US-09-949-016-14854/C
; Sequence 14854, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14854
; LENGTH: 8848
; TYPE: DNA
; ORGANISM: Human

US-09-949-016-14854

Query Match      2.4%; Score 50; DB 4; Length 8848;
Best Local Similarity 100.0%; Pred. No. 2.6e-10;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      770 GGTGGAGGATTGCTTGAAGCCAGGGGTTCAAGACCAAGCTGGGCAACAT 819
         4278 GGTGGAGGATTGCTTGAAGCCAGGGGTTCAAGACCAAGCTGGGCAACAT 4229
Db
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RESULT 8
US-09-949-016-178057
; Sequence 178057, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178057
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-178057

Query Match 2.2%: Score 46; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 1.3e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 306 GGTTCGATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 351
DB 237 GGTTCGATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 282

RESULT 9
US-09-949-016-178058
; Sequence 178058, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178058
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-178058

Query Match 2.2%: Score 46; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 1.3e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 306 GGTTCGATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 351
DB 302 GGTTCGATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 347

RESULT 10
US-09-949-016-13423/c
; Sequence 13423, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13423
; LENGTH: 69909
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13423

Query Match 2.2%: Score 46; DB 4; Length 69909;
Best Local Similarity 100.0%; Pred. No. 7.3e-09;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 306 GGTTCGATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 351
DB 53241 GGTTCGATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 53196

RESULT 11
US-09-949-016-16847/c
; Sequence 16847, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16847
; LENGTH: 98302
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16847

Query Match 2.2%: Score 46; DB 4; Length 98302;
Best Local Similarity 100.0%; Pred. No. 7e-09;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 306 GGTTCGATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 351
DB 13787 GGTTCGATGTTGTCAGGCTGCTTGAACCTCTGGGCTCAAG 13742

RESULT 12
US-09-949-016-15078/c
; Sequence 15078, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016

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; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 15078
; LENGTH: 114426
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15078

Query Match
Best Local Similarity 100.0%; Pred. No. 6.9e-09; Length 114426;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 360 CCACCTCAGCCTCCCAAGTCTAGATTAATAGCATGAGCCACTG 405
Db 580 CCACCTCAGCCTCCCAAGTCTAGATTAATAGCATGAGCCACTG 535

RESULT 13
US-09-513-999C-16098
; Sequence 16098, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; PATENT NO. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 16098
; LENGTH: 73
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-16098

Query Match
Best Local Similarity 100.0%; Pred. No. 3.9e-08; Length 73;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GCCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGATCGCT 1442
Db 20 GCCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGATCGCT 64

RESULT 14
US-09-513-999C-16110
; Sequence 16110, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; PATENT NO. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
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; SEQ ID NO 16110
; LENGTH: 74
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-16110

Query Match
Best Local Similarity 100.0%; Pred. No. 3.9e-08; Length 74;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GCCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGATCGCT 1442
Db 21 GCCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGATCGCT 65

RESULT 15
US-09-513-999C-29990
; Sequence 29990, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; PATENT NO. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 29990
; LENGTH: 123
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 16
; OTHER INFORMATION: s=g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 17
; OTHER INFORMATION: s=g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 18
; OTHER INFORMATION: v=a or c or g
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 86
; OTHER INFORMATION: k=g or t
US-09-513-999C-29990

Query Match
Best Local Similarity 100.0%; Pred. No. 3.7e-08; Length 123;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1398 GCCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGATCGCT 1442
Db 20 GCCTGTAGTCCAGCTACTCGGAGGCTGAGGTGGAGATCGCT 64

Search completed: February 28, 2005, 08:24:07
Job time : 377 secs
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QY	121	AAATATCTTTTTTTTTTTTTTTTGAAGCAGGGTCACCTGCAACCCAGGCTAAGTCGAG	180
Db	121	AAATATCTTTTTTTTTTTTTTTTGAAGCAGGGTCACCTGCAACCCAGGCTAAGTCGAG	180
QY	181	TGGCACTATCATGGCTCCACCAAGCTCTCAACTCTTCAAGGGCTCAGTGATCTCCCACTTC	240
Db	181	TGGCACTATCATGGCTCCACCAAGCTCTCAACTCTTCAAGGGCTCAGTGATCTCCCACTTC	240
QY	241	AGCTCCCGAAGTAATGGAGTTACAGGCACTGCGCACCACTCCAGCTAATTTTTTGTAGA	300
Db	241	AGCTCCCGAAGTAATGGAGTTACAGGCACTGCGCACCACTCCAGCTAATTTTTTGTAGA	300
QY	301	GACAAGGTTTGGCATGTGTCCAGAGCTGTCTTGAATCTCCTGGCTCAAGGATCCGCG	360
Db	301	GACAAGGTTTGGCATGTGTCCAGAGCTGTCTTGAATCTCCTGGCTCAAGGATCCGCG	360
QY	361	CACCTCAGCTCCCAAAAGTGTGAGATTATAGGCAATAGGCCACTGTGCTCCAGCTACTT	420
Db	361	CACCTCAGCTCCCAAAAGTGTGAGATTATAGGCAATAGGCCACTGTGCTCCAGCTACTT	420
QY	421	CAAGGATCTAAGCTGATCTAAGCTTTAGAGTTCCGGCTATGTCCTACAACCTCTTGC	480
Db	421	CAAGGATCTAAGCTGATCTAAGCTTTAGAGTTCCGGCTATGTCCTACAACCTCTTGC	480
QY	481	TTACTCAACATCTTGTCTCTTAAAGCCATAGCTTCTTCTATGTGTAAACATTTTAT	540
Db	481	TTACTCAACATCTTGTCTCTTAAAGCCATAGCTTCTTCTATGTGTAAACATTTTAT	540
QY	541	GAGTTTATATCATCTGCTATTTTTTCTATCTCTATACAGAAATGAATATTTTCAAT	600
Db	541	GAGTTTATATCATCTGCTATTTTTTCTATCTCTATACAGAAATGAATATTTTCAAT	600
QY	601	AAAGCACACTATGTTTAACTCTTGAANTGAAAAAAATGCAATGATTAAGAAAG	660
Db	601	AAAGCACACTATGTTTAACTCTTGAANTGAAAAAAATGCAATGATTAAGAAAG	660
QY	661	AAACCAATTTTAACTATATTTTGAAGTATAGTTCTATATTAACAACAAGACTAG	720
Db	661	AAACCAATTTTAACTATATTTTGAAGTATAGTTCTATATTAACAACAAGACTAG	720
QY	721	GCCAGGTGCAAGGCTCATGCTGTAATCCAGCAATTTGGGAAGTCAGGTGGGAAGAT	780
Db	721	GCCAGGTGCAAGGCTCATGCTGTAATCCAGCAATTTGGGAAGTCAGGTGGGAAGAT	780
QY	781	TGCTTGAAGCCAGGGGTTCAAGACCAAGCTTGCGCACTGGAAGATTTCCCATCTCTT	840
Db	781	TGCTTGAAGCCAGGGGTTCAAGACCAAGCTTGCGCACTGGAAGATTTCCCATCTCTT	840
QY	841	CTTTACACACACACACACACACACACACACAAATATCTATAGCAACAGTGCATCTATTA	900
Db	841	CTTTACACACACACACACACACACACACACAAATATCTATAGCAACAGTGCATCTATTA	900
QY	901	CCACAATTTGAGTAGTAGTAGCTTAATATATTTGAGTTATCACCACAACCTGTAAA	960
Db	901	CCACAATTTGAGTAGTAGTAGCTTAATATATTTGAGTTATCACCACAACCTGTAAA	960
QY	961	CTAATATGAAAAAGCTGTGATGATCTATTTGCCACAAGTCAAGGTACAGTCTAATCTC	1020
Db	961	CTAATATGAAAAAGCTGTGATGATCTATTTGCCACAAGTCAAGGTACAGTCTAATCTC	1020
QY	1021	CTGTATTTGTAGTAATTCATATTAAGAAATCTAGGTTTCAGTTGTATTTGTCC	1080
Db	1021	CTGTATTTGTAGTAATTCATATTAAGAAATCTAGGTTTCAGTTGTATTTGTCC	1080
QY	1081	CGACGATCTGTGAGAGGCGCAGGTTAAGAGCCCTGTCAAGCCACAGAGGGTGAACCTAGAC	1140
Db	1081	CGACGATCTGTGAGAGGCGCAGGTTAAGAGCCCTGTCAAGCCACAGAGGGTGAACCTAGAC	1140
QY	1141	TGACGGGTCACTCGGGCCAACTCAATATATTTCCAGAGCGGGGGCTGTGGCTTCCCGG	1200
Db	1141	TGACGGGTCACTCGGGCCAACTCAATATATTTCCAGAGCGGGGGCTGTGGCTTCCCGG	1200
QY	1201	ACCAAGCTGCTCTCAGGGGAGAGAGCAACTTAAGATTTGGGGCTGGCGGTGTAGCT	1260

Db	1201	ACCCAGTGCCTTCAGGGAGAGAGACACTTAAAGATTTCGGGCCGCGCTGTAGCT	1260
Qy	1261	CATGCCCTCATCCCAACACTTCGGGAGCTGAGCGCTGAAGATCACTTGTAGCAGAGT	1320
Db	1261	CATCCCTCTATCCCAACACTTCGGGAGGCTGAGGCGTGAAGATCACTTGTAGCAGAGT	1320
Qy	1321	TTGAGACCAAGCTTAAGCCAACTTGGCGAGACCCCTGTCCCTTAAAAAAAATTTTTTTTAAT	1380
Db	1321	TTGAGACCAAGCTTAAGCCAACTTGGCGAGACCCCTGTCCCTTAAAAAAAATTTTTTTTAAT	1380
Qy	1381	AGCCAGTTGTGTAGGAGCCCTGTAGTCCCACTACTCGGAGGCTGAGGTGAGAGATCG	1440
Db	1381	AGCCAGTTGTGTAGGAGCCCTGTAGTCCCACTACTCGGAGGCTGAGGTGAGAGATCG	1440
Qy	1441	CTGGGCTCAGAGATTCCAGACTGCAATGATGAGCGGCACTGCACTCCAGCGCG	1500
Db	1441	CTGGGCTCAGAGATTCCAGACTGCAATGATGAGCGGCACTGCACTCCAGCGCG	1500
Qy	1501	TGAGACTAGTCTCAAAAATTAAGGGGAGAGGTTGGGGTTAAATTAAGTTGAATC	1560
Db	1501	TGAGACTAGTCTCAAAAATTAAGGGGAGAGGTTGGGGTTAAATTAAGTTGAATC	1560
Qy	1561	AAGTAAGACTTCCTGGGACAGAACATCAAGGGGTGAGCGCGGCTCTCCAAAGACTA	1620
Db	1561	AAGTAAGACTTCCTGGGACAGAACATCAAGGGGTGAGCGCGGCTCTCCAAAGACTA	1620
Qy	1621	CTAGCTCAGCCCAAGCCCGCTTCGGGCGCCCGAGGCGAGCGGCGCAGAGCTCCACCGGC	1680
Db	1621	CTAGCTCAGCCCAAGCCCGCTTCGGGCGCCCGAGGCGAGCGGCGCAGAGCTCCACCGGC	1680
Qy	1681	AGGCGCCCGGAAACTCCGCCCCCGCGCGAGAGGCGCGCGCCCGCGCGCCCGCG	1740
Db	1681	AGGCGCCCGGAAACTCCGCCCCCGCGCGAGAGGCGCGCGCCCGCGCGCCCGCG	1740
Qy	1741	TGAGACGCGGTTCCGTGGCGTTCCCGCGGCGCAGGACTCAGCAATCTATCAGGGAACGCG	1800
Db	1741	TGAGACGCGGTTCCGTGGCGTTCCCGCGGCGCAGGACTCAGCAATCTATCAGGGAACGCG	1800
Qy	1801	GTGGCCGCTGCGGCGTGTTCGAGTCGCTCTGGCGCTTCAAGCTGAGCGGCTGGGTAGCG	1860
Db	1801	GTGGCCGCTGCGGCGTGTTCGAGTCGCTCTGGCGCTTCAAGCTGAGCGGCTGGGTAGCG	1860
Qy	1861	CACCGGAGCGCCGAGGCGGCAAGCGTGTTCCTAAGTCCGTGGCGTCCCGGAG	1920
Db	1861	CACCGGAGCGCCGAGGCGGCAAGCGTGTTCCTAAGTCCGTGGCGTCCCGGAG	1920
Qy	1921	CTTGGCGGCGAGCTAGGAGGAGATGCGCGAGTCTTCGATTAAGCTCTATCGAGTCGAGTA	1980
Db	1921	CTTGGCGGCGAGCTAGGAGGAGATGCGCGAGTCTTCGATTAAGCTCTATCGAGTCGAGTA	1980
Qy	1981	CGCCAAAGCGGCGCGCTCTTCGCAAGAAATGACGCAAGCATCCCAAGACTCGCT	2040
Db	1981	CGCCAAAGCGGCGCGCTCTTCGCAAGAAATGACGCAAGCATCCCAAGACTCGCT	2040
Qy	2041	CCGATGCGCATCATGCTGCAAGTGGCGGCGCGCTGTGCGGCGGG	2085
Db	2041	CCGATGCGCATCATGCTGCAAGTGGCGGCGCGCTGTGCGGCGGG	2085
RESULT 2			
US-10-027-632-154183			
: Sequence 154183, Application US/10027632			
: Publication No. US20020198371A1			
: GENERAL INFORMATION:			
: APPLICANT: Wang, David G.			
: TITLE OF INVENTION: Identification and Mapping of Single Nucleotide			
: FILE REFERENCE: 108827.129			
: CURRENT APPLICATION NUMBER: US/10/027.632			
: CURRENT FILING DATE: 2002-04-30			
: PRIOR APPLICATION NUMBER: US 60/218,006			
: PRIOR FILING DATE: 2000-07-12			


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; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154183
; LENGTH: 844
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-154183
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Query Match 19.5%; Score 406; DB 13; Length 844;

Best Local Similarity 99.8%; Pred. No. 2e-187; Mismatches 1; Indels 0; Gaps 0;

Matches 456; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1207 CTGCTCCAGGAGAGAGACACTTAAGTTTGGGCGCGGTGAGCTCATGCC 1266
DB 1 CTGCTCCAGGAGAGAGACACTTAAGTTTGGGCGCGGTGAGCTCATGCC 60
QY 1267 CCTGATCCAGACCTTCGGAGGCTGAGCGGTGAAGATCATTTGTAGCAGAGTTTGAGA 1326
DB 61 CCTGATCCAGACCTTCGGAGGCTGAGCGGTGAAGATCATTTGTAGCAGAGTTTGAGA 120
QY 1327 CCACTTACCACTTGGGAGACCTGTCTCCCTAAAAAAATTTTTTTTAAATTAAGCCAG 1386
DB 121 CCACTTACCACTTGGGAGACCTGTCTCCCTAAAAAAATTTTTTTTAAATTAAGCCAG 180
QY 1387 TTGTGTGAGCGCTGTAGTCCAGCTACTCTGGGAGGCTGAGGTGGAGAGATGCTGGGC 1446
DB 181 TTGTGTGAGCGCTGTAGTCCAGCTACTCTGGGAGGCTGAGGTGGAGAGATGCTGGGC 240
QY 1447 TCAGAGTTCCAGACTGCACTGAGCCATGATGCGGCACTGCCTCAGCGCGGTGAGAC 1506
DB 241 TCAGAGTTCCAGACTGCACTGAGCCATGATGCGGCACTGCCTCAGCGCGGTGAGAC 300
QY 1507 TCAGTCTCAAAAATTAAGGGGAGGGGTTGGGGTAAATTTAGTTGTGAATCAAGTAA 1566
DB 301 TCAGTCTCAAAAATTAAGGGGAGGGGTTGGGGTAAATTTAGTTGTGAATCAAGTAA 360
QY 1567 GACTTCTGGGACAGAAATCAAGGGGTTGGGCGGCTCCCAAGAGCTACTAGCT 1626
DB 361 GACTTCTGGGACAGAAATCAAGGGGTTGGGCGGCTCCCAAGAGCTACTAGCT 420
QY 1627 CAGCCCAAGCCCGCTCGGCCCCCAGGGGAGCGGCC 1663
DB 421 CAGCCCAAGCCCGCTCGGCCCCCAGGGGAGCGGCC 457
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RESULT 3
US-10-027-632-154183
; Sequence 154183, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
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; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 154183
; LENGTH: 844
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-154183
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Query Match 19.5%; Score 406; DB 17; Length 844;

Best Local Similarity 99.8%; Pred. No. 2e-187; Mismatches 1; Indels 0; Gaps 0;

Matches 456; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1207 CTGCTCCAGGAGAGAGACACTTAAGTTTGGGCGCGGTGAGCTCATGCC 1266
DB 1 CTGCTCCAGGAGAGAGACACTTAAGTTTGGGCGCGGTGAGCTCATGCC 60
QY 1267 CCTGATCCAGACCTTCGGAGGCTGAGCGGTGAAGATCATTTGTAGCAGAGTTTGAGA 1326
DB 61 CCTGATCCAGACCTTCGGAGGCTGAGCGGTGAAGATCATTTGTAGCAGAGTTTGAGA 120
QY 1327 CCACTTACCACTTGGGAGACCTGTCTCCCTAAAAAAATTTTTTTTAAATTAAGCCAG 1386
DB 121 CCACTTACCACTTGGGAGACCTGTCTCCCTAAAAAAATTTTTTTTAAATTAAGCCAG 180
QY 1387 TTGTGTGAGCGCTGTAGTCCAGCTACTCTGGGAGGCTGAGGTGGAGAGATGCTGGGC 1446
DB 181 TTGTGTGAGCGCTGTAGTCCAGCTACTCTGGGAGGCTGAGGTGGAGAGATGCTGGGC 240
QY 1447 TCAGAGTTCCAGACTGCACTGAGCCATGATGCGGCACTGCCTCAGCGCGGTGAGAC 1506
DB 241 TCAGAGTTCCAGACTGCACTGAGCCATGATGCGGCACTGCCTCAGCGCGGTGAGAC 300
QY 1507 TCAGTCTCAAAAATTAAGGGGAGGGGTTGGGGTAAATTTAGTTGTGAATCAAGTAA 1566
DB 301 TCAGTCTCAAAAATTAAGGGGAGGGGTTGGGGTAAATTTAGTTGTGAATCAAGTAA 360
QY 1567 GACTTCTGGGACAGAAATCAAGGGGTTGGGCGGCTCCCAAGAGCTACTAGCT 1626
DB 361 GACTTCTGGGACAGAAATCAAGGGGTTGGGCGGCTCCCAAGAGCTACTAGCT 420
QY 1627 CAGCCCAAGCCCGCTCGGCCCCCAGGGGAGCGGCC 1663
DB 421 CAGCCCAAGCCCGCTCGGCCCCCAGGGGAGCGGCC 457
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RESULT 4
US-10-283-975A-327
; Sequence 327, Application US/10283975A
; Publication No. US20040110792A1
; GENERAL INFORMATION:
; APPLICANT: Ortho-Clinical Diagnostics, Inc.
; TITLE OF INVENTION: Methods For Assessing and Treating Leukemia
; FILE REFERENCE: CDS 293.PCT
; CURRENT APPLICATION NUMBER: US/10/283,975A
; PRIOR APPLICATION NUMBER: 60/340,938
; PRIOR FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: 60/338,997
; PRIOR FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: 60/340,081
; PRIOR FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: 60/341,012
; PRIOR FILING DATE: 2001-10-30
; NUMBER OF SEQ ID NOS: 900
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SOFTWARE: PatentIn version 3.1
; SEQ ID NO 327
; LENGTH: 335
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(335)
; OTHER INFORMATION: N=any base
; NAME/KEY: misc feature
; LOCATION: (1)..(335)
; OTHER INFORMATION:
US-10-283-975A-327

Query Match 8.4%; Score 175; DB 18; Length 335;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTAGGGAGATGGC 1947
|
DB 46 GTGTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTAGGGAGATGGC 105
|
QY 1948 GGAAGCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCTCTTGCAA 2007
|
DB 106 GGAAGCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCTCTTGCAA 165
|
QY 2008 GAAATGCGAGAGAGCATCCCAAGAGCTCGCTCCGAGTGGCCATCATGTGCAG 2062
|
DB 166 GAAATGCGAGAGAGCATCCCAAGAGCTCGCTCCGAGTGGCCATCATGTGCAG 220
|

RESULT 5
US-10-723-860-2326
; Sequence 2326, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Gineburg, Wendy M.
; APPLICANT: Zlocznik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; PRIOR FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2326
; LENGTH: 370
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-860-2326

Query Match 8.4%; Score 175; DB 18; Length 370;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTAGGGAGATGGC 1947
|
DB 129 GTGTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTAGGGAGATGGC 188
|
QY 1948 GGAAGCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCTCTTGCAA 2007
|
DB 189 GGAAGCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCTCTTGCAA 248
|
QY 2008 GAAATGCGAGAGAGCATCCCAAGAGCTCGCTCCGAGTGGCCATCATGTGCAG 2062
|
DB 249 GAAATGCGAGAGAGCATCCCAAGAGCTCGCTCCGAGTGGCCATCATGTGCAG 303
|

RESULT 6

US-09-918-995-5037
; Sequence 5037, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: HySeq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5037
; LENGTH: 394
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-5037

Query Match 8.4%; Score 175; DB 10; Length 394;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTAGGGAGATGGC 1947
|
DB 76 GTGTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTAGGGAGATGGC 135
|
QY 1948 GGAAGCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCTCTTGCAA 2007
|
DB 136 GGAAGCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCTCTTGCAA 195
|
QY 2008 GAAATGCGAGAGAGCATCCCAAGAGCTCGCTCCGAGTGGCCATCATGTGCAG 2062
|
DB 196 GAAATGCGAGAGAGCATCCCAAGAGCTCGCTCCGAGTGGCCATCATGTGCAG 250
|

RESULT 7
US-09-960-253-117
; Sequence 117, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raedoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960,253
; PRIOR FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 117
; LENGTH: 398
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-117

Query Match 8.4%; Score 175; DB 9; Length 398;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTAGGGAGATGGC 1947
|
DB 73 GTGTTCTAGTGTGCGCGCTTCGCGAGCTTTGGCGGAGCTAGGGAGATGGC 132
|
QY 1948 GGAAGCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCTCTTGCAA 2007
|
DB 133 GGAAGCTTCGATAAGCTCTATCGAGTGAAGTACGCAAGAGCGGCGCTCTTGCAA 192
|
QY 2008 GAAATGCGAGAGAGCATCCCAAGAGCTCGCTCCGAGTGGCCATCATGTGCAG 2062
|
DB 193 GAAATGCGAGAGAGCATCCCAAGAGCTCGCTCCGAGTGGCCATCATGTGCAG 247
|

RESULT 8

US-09-833-790-349
; Sequence 349, Application US/09833790
; Patent No. US20020068288A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Secrist, Heather
; APPLICANT: Mohamath, Raedoh
; APPLICANT: Indriati, Carol Y.
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.512
; CURRENT APPLICATION NUMBER: US/09/833.790
; CURRENT FILING DATE: 2001-04-11
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 349
; LENGTH: 521
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-790-349

Query Match 8.4%; Score 175; DB 9; Length 521;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTCTGTCGCTCGGAGCTTCCGAGCTTTGGCGGAGCTAGGAGGATGGC 1947
DB 52 GTGTTTCTAGTCTGTCGCTCGGAGCTTCCGAGCTTTGGCGGAGCTAGGAGGATGGC 111
QY 1948 GGAAGCTTCGAGTAAGCTTATCGAGTGAAGTACCCCAAGAGCGGCGCTCTTGCA 2007
DB 112 GGAAGCTTCGAGTAAGCTTATCGAGTGAAGTACCCCAAGAGCGGCGCTCTTGCA 171
QY 2008 GAAATGCAGGAGAGCATCCCAAGAGCTCGCTCCGATGGCCATCATGTGTGCA 2062
DB 172 GAAATGCAGGAGAGCATCCCAAGAGCTCGCTCCGATGGCCATCATGTGTGCA 226

RESULT 9

US-09-960-253-107
; Sequence 107, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raedoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960.253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 107
; LENGTH: 665
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-107

Query Match 8.4%; Score 175; DB 9; Length 665;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTCTGTCGCTCGGAGCTTCCGAGCTTTGGCGGAGCTAGGAGGATGGC 1947
DB 109 GTGTTTCTAGTCTGTCGCTCGGAGCTTCCGAGCTTTGGCGGAGCTAGGAGGATGGC 168
QY 1948 GGAAGCTTCGAGTAAGCTTATCGAGTGAAGTACCCCAAGAGCGGCGCTCTTGCA 2007

DB 169 GGAAGCTTCGAGTAAGCTTATCGAGTGAAGTACCCCAAGAGCGGCGCTCTTGCA 228

QY 2008 GAAATGCAGGAGAGCATCCCAAGAGCTCGCTCCGAGTGGCCATCATGTGTGCA 2062
DB 229 GAAATGCAGGAGAGCATCCCAAGAGCTCGCTCCGAGTGGCCATCATGTGTGCA 283

RESULT 10

US-09-960-253-106
; Sequence 106, Application US/09960253
; Patent No. US20020123619A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Mohamath, Raedoh
; APPLICANT: Lodes, Michael J.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.556
; CURRENT APPLICATION NUMBER: US/09/960.253
; CURRENT FILING DATE: 2001-09-20
; NUMBER OF SEQ ID NOS: 187
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 106
; LENGTH: 722
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-960-253-106

Query Match 8.4%; Score 175; DB 9; Length 722;
Best Local Similarity 100.0%; Pred. No. 1.3e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1888 GTGTTTCTAGTCTGTCGCTCGGAGCTTCCGAGCTTTGGCGGAGCTAGGAGGATGGC 1947
DB 124 GTGTTTCTAGTCTGTCGCTCGGAGCTTCCGAGCTTTGGCGGAGCTAGGAGGATGGC 183
QY 1948 GGAAGCTTCGAGTAAGCTTATCGAGTGAAGTACCCCAAGAGCGGCGCTCTTGCA 2007
DB 184 GGAAGCTTCGAGTAAGCTTATCGAGTGAAGTACCCCAAGAGCGGCGCTCTTGCA 243
QY 2008 GAAATGCAGGAGAGCATCCCAAGAGCTCGCTCCGATGGCCATCATGTGTGCA 2062
DB 244 GAAATGCAGGAGAGCATCCCAAGAGCTCGCTCCGATGGCCATCATGTGTGCA 298

RESULT 11

US-10-084-817-316
; Sequence 316, Application US/10084817
; Publication No. US20030119009A1
; GENERAL INFORMATION:
; APPLICANT: Susan Stuart
; APPLICANT: Jed G. Nuchtern
; APPLICANT: Sharon E. Plon
; APPLICANT: Jason M. Spohet
; TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION
; FILE REFERENCE: PA-0046 US
; CURRENT APPLICATION NUMBER: US/10/084.817
; CURRENT FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: 60/270,784
; PRIOR FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 365
; SOFTWARE: PERL Program
; SEQ ID NO 316
; LENGTH: 3686
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20030119009A1 034181CB1
US-10-084-817-316

Query Match 8.4%; Score 175; DB 15; Length 3686;

Best Local Similarity 100.0%; Pred. No. 1.2e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1888 GTGTTTCTAGTGTGCGCTGCGGCTTCCGAGACTTTTGCGGCACTAGAGGAGATGAC 1947
Db 116 GTGTTTCTAGTGTGCGCTGCGGCTTCCGAGACTTTTGCGGCACTAGAGGAGATGAC 175
QY 1948 GGAGTCTTGGATTAAGCTCTATCGAGTGTGAGTACCCCAAGAGCGGCGGCTCTTGCAA 2007
Db 176 GGAGTCTTGGATTAAGCTCTATCGAGTGTGAGTACCCCAAGAGCGGCGGCTCTTGCAA 235
QY 2008 GAAATGACGCGAGAGACTCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 2062
Db 236 GAAATGACGCGAGAGACTCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 290
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RESULT 12

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US-09-864-864-300
; Sequence 300, Application US/09864864
; Patent No. US20020102679A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Dillon, Devin C.
; APPLICANT: Sechrist, Heather
; APPLICANT: Lodes, Michael J.
; APPLICANT: Algate, Paul A.
; APPLICANT: Flinn, Steve P.
; APPLICANT: Mahlon, Jane
; APPLICANT: Behson, Darin R.
; APPLICANT: Carter, Patrick
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.523
; CURRENT APPLICATION NUMBER: US/09/864,864
; NUMBER FILING DATE: 2001-05-23
; SOFTWARE: SEQ ID NOS: 341
; SEQ ID NO 300
; LENGTH: 3859
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-864-864-300
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Query Match 8.4%; Score 175; DB 9; Length 3859;
Best Local Similarity 100.0%; Pred. No. 1.2e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1888 GTGTTTCTAGTGTGCGCTGCGGCTTCCGAGACTTTTGCGGCACTAGAGGAGATGAC 1947
Db 105 GTGTTTCTAGTGTGCGCTGCGGCTTCCGAGACTTTTGCGGCACTAGAGGAGATGAC 164
QY 1948 GGAGTCTTGGATTAAGCTCTATCGAGTGTGAGTACCCCAAGAGCGGCGGCTCTTGCAA 2007
Db 165 GGAGTCTTGGATTAAGCTCTATCGAGTGTGAGTACCCCAAGAGCGGCGGCTCTTGCAA 224
QY 2008 GAAATGACGCGAGAGACTCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 2062
Db 225 GAAATGACGCGAGAGACTCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 279
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RESULT 13

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US-10-097-340-3
; Sequence 3, Application US/10097340
; Publication No. US20030087250A1
; GENERAL INFORMATION:
; APPLICANT: John MONAHAN
; APPLICANT: Manjula GANNAVARAPU
; APPLICANT: Sebastian HOESCH
; APPLICANT: Shubhangi KAMATKAR
; APPLICANT: Steve G. KOVATS
; APPLICANT: Rachel E. MEYERS
```

```
; APPLICANT: Michael MORRISSEY
; APPLICANT: Peter OLANDR
; APPLICANT: Ami SEN
; APPLICANT: Peter VERIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. BAST, Jr.
; APPLICANT: Karen LU
; APPLICANT: Rosemarie SCHMANDT
; APPLICANT: Xumei ZHAO
; APPLICANT: Karen GLATT
```

```
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
; FILE REFERENCE: MRI-030
; CURRENT APPLICATION NUMBER: US/10/097,340
; PRIOR FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSeq for Windows Version 4.0
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; SEQ ID NO 3
; LENGTH: 3859
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-097-340-3
```

Query Match 8.4%; Score 175; DB 14; Length 3859;
Best Local Similarity 100.0%; Pred. No. 1.2e-74;
Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1888 GTGTTTCTAGTGTGCGCTGCGGCTTCCGAGACTTTTGCGGCACTAGAGGAGATGAC 1947
Db 105 GTGTTTCTAGTGTGCGCTGCGGCTTCCGAGACTTTTGCGGCACTAGAGGAGATGAC 164
QY 1948 GGAGTCTTGGATTAAGCTCTATCGAGTGTGAGTACCCCAAGAGCGGCGGCTCTTGCAA 2007
Db 165 GGAGTCTTGGATTAAGCTCTATCGAGTGTGAGTACCCCAAGAGCGGCGGCTCTTGCAA 224
QY 2008 GAAATGACGCGAGAGACTCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 2062
Db 225 GAAATGACGCGAGAGACTCCCAAGAGACTCGCTCCGAGTGGCCATCATGTGTCAG 279
```

RESULT 14

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US-10-163-587A-3
; Sequence 3, Application US/10163587A
; Publication No. US20030096263A1
; GENERAL INFORMATION:
; APPLICANT: Oliveira, Marcos
; TITLE OF INVENTION: SELECTIVE PARP-1 TARGETING FOR DESIGNING CHEMO/RADIO SENSITIZING
; FILE REFERENCE: 50229-306
; CURRENT APPLICATION NUMBER: US/10/163,587A
; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 60/296,110
; PRIOR FILING DATE: 2001-06-07
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 3859
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 12360
; LENGTH: 105679
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12360

Query Match          10.9%; Score 228; DB 4; Length 105679;
Best Local Similarity 60.6%; Pred. No. 7.2e-44;
Matches 452; Conservative 0; Mismatches 275; Indels 19; Gaps 4;

QY 103 TTAATCTGTTTACCTTCAAAATATCTTTTGTGAGACAGGCTCAGCTGTC 162
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 46175 TTGTATATTAATCTTTTAAATGTGTTTGTGTTGAGACAGCTGTTCTGTC 46234

QY 163 ACCGAGCTAGAGTCCAGTGGCACTATCATGCTCAACAGCTCAACCTTCAGGGCTC 222
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 46235 ACCGAGGCTGAGTGGAGTGGCTCCATCTCAGCTCACTCAACCTCCGCTCTGGGCTTC 46294

QY 223 AGGTATCTCCCACTTCAAGCTCCGAGTATGAGTGGACCTACAGGCACTGCCACACC 282
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 46295 AAGTATCTCCGCTCAGCTCCGCTCCGAGTATGAGTGGACCTACAGGCACTGCCACACC 46354

QY 283 CCAGCTAATTTT-----GTAGACAAAGTTTGGCATGTTGTCAGGCTGCTC 333
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 46355 CAGCTAATTTTGTATTTTGTGATGAGTGGGTTTCAACATGTTGGCCAGCTGCTC 46414

QY 334 TGAATCTGGGCTCAAGGATCCGGCACTCAGCTCCCAAGGCTAGATTAAGG 393
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 46415 CGATCTCTGACCTCAAGTATCCGCCACCTCGGCTCTTAATAAGCTGGGATTAAGG 46474

QY 394 CATGACCACTGTCAGCTCACTTCAAGCTATCTAATCTGTTAATTAGAT 453
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 46475 CATGACCACTGTCAGCTCACTTCAAGCTATCTAATCTGTTAATTAGAT 46534

QY 454 TCGGCTATGTCACAACTCTTGTCTACTCAACATCTGTTCTTAAAGCCACTAGC 513
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 46535 TTTTAACAATTAATACAACTATCTGTATGTCACCTTAACTCAACATCTCTCC 46594

QY 514 TTCTTCTATGTTAACTTTTA-----TGAGTTTATATCTGTTATTTTCT 568
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 46595 TTGTAAATATATGCAACCAATTTTATACCTGATTTAAATATCCCAAAATGTTTG 46654

QY 569 ATCTCTATACAGAAATGTAATTTTCAATTAAGACACTCATGTTAATCTTTGAA 628
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 46655 CATTTCTGTTAATCTTAAATCTTCTCTTAATGATTTCTTAATTAAGCACTATTA 46714

QY 629 ATGGA---AAAAAATGCTATGATTAAGAAAAGAACCAATTTAATTAATATTT 685
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 46715 TGTATTAAGTACAAAAGTGCACAATATGTCGTAAATCAGCTGGAATAAAGCA 46774

QY 686 TGAATATAGTTCTATATTAACAACAAGATCTAGGCTAGGCTCATGCTGT 745
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 46775 TAAATGCAACATCTTTAGTAAATAATTTGTCGCGCGGCGGTGCTCAGCTGT 46834

QY 746 AATCCAGCAATTTGGGAAGTGCAGGTGGGAGGATGCTTGAAGCCAGGGGTTCAAGCC 805
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 46835 AATTCAGCACTTTGGGAGGTGCAGGTGGGAGAT--CATGAGGTGAGGATTCAGACC 46892

QY 806 AGCTTGGGCAACATGAGAGATTCC 831
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 46893 AGCTTGGGCAACATGAGAGATTCC 46918

RESULT 4
US-09-949-016-16409
; Sequence 16409, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
```

```

; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT FILING DATE: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 16409
; LENGTH: 107679
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16409

Query Match          10.9%; Score 228; DB 4; Length 107679;
Best Local Similarity 60.6%; Pred. No. 7.2e-44;
Matches 452; Conservative 0; Mismatches 275; Indels 19; Gaps 4;

QY 103 TTAATCTGTTTACCTTCAAAATATCTTTTGTGAGACAGGCTCAGCTGTC 162
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 96175 TTGTATATTAATCTTTTAAATGTGTTTGTGTTGAGACAGCTGTTCTGTC 96234

QY 163 ACCGAGCTAGAGTCCAGTGGCACTATCATGCTCAACAGCTCAACCTTCAGGGCTC 222
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 96235 ACCGAGGCTGAGTGGAGTGGCTCCATCTCAGCTCACTCAACCTCCGCTCTGGGCTTC 96294

QY 223 AGGTATCTCCCACTTCAAGCTCCGAGTATGAGTGGACCTACAGGCACTGCCACACC 282
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 96295 AAGTATCTCCGCTCAGCTCCGCTCCGAGTATGAGTGGACCTACAGGCACTGCCACACC 96354

QY 283 CCAGCTAATTTT-----GTAGACAAAGTTTGGCATGTTGTCAGGCTGCTC 333
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 96355 CAGCTAATTTTGTATTTTGTGATGAGTGGGTTTCAACATGTTGGCCAGCTGCTC 96414

QY 334 TGAATCTGGGCTCAAGGATCCGGCACTCAGCTCCCAAGGCTAGATTAAGG 393
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 96415 CGATCTCTGACCTCAAGTATCCGCCACCTCGGCTCTTAATAAGCTGGGATTAAGG 96474

QY 394 CATGACCACTGTCAGCTCACTTCAAGCTATCTAATCTGTTAATTAGAT 453
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 96475 CATGACCACTGTCAGCTCACTTCAAGCTATCTAATCTGTTAATTAGAT 96534

QY 454 TCGGCTATGTCACAACTCTTGTCTACTCAACATCTGTTCTTAAAGCCACTAGC 513
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 96535 TTTTAACAATTAATACAACTATCTGTATGTCACCTTAACTCAACATCTCTCC 96594

QY 514 TTCTTCTATGTTAACTTTTA-----TGAGTTTATATCTGTTATTTTCT 568
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 96595 TTGTAAATATATGCAACCAATTTTATACCTGATTTAAATATCCCAAAATGTTTG 96654

QY 569 ATCTCTATACAGAAATGTAATTTTCAATTAAGACACTCATGTTAATCTTTGAA 628
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DB 96655 CATTTCTGTTAATCTTAAATCTTCTCTTAATGATTTCTTAATTAAGCACTATTA 96714

QY 629 ATGGA---AAAAAATGCTATGATTAAGAAAAGAACCAATTTAATTAATATTT 685
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DB 96715 TGTATTAAGTACAAAAGTGCACAATATGTCGTAAATCAGCTGGAATAAAGCA 96774

QY 686 TGAATATAGTTCTATATTAACAACAAGATCTAGGCTAGGCTCATGCTGT 745
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 96775 TAAATGCAACATCTTTAGTAAATAATTTGTCGCGCGGCGGTGCTCAGCTGT 96834

QY 746 AATCCAGCAATTTGGGAAGTGCAGGTGGGAGGATGCTTGAAGCCAGGGGTTCAAGCC 805
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 96835 AATTCAGCACTTTGGGAGGTGCAGGTGGGAGAT--CATGAGGTGAGGATTCAGACC 96892

QY 806 AGCTTGGGCAACATGAGAGATTCC 831
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Db 9140 ACTTACTATTTCTGTACTTCTGTGTCTTTCCCTTTCATTAACCTCAATAACCT 9081
Qy 533 -----CITTTATAGATTATTCATCTGCTATTTTCTTATCTCTATA 578
Db 9080 GTTATGCTATTTTCTTAATCAAAATCTAATGATGTTTCTGTTTCTCTCTAGAT 9021
Qy 579 CCAGATTGAAATATTTCAAAAT-----AAGCACACTGATGTACAAATCT 623
Db 9020 CCGACTTAACGGTTTCTTAATGTAATTCCTCACTTGGAGAAAAATACATCAATGCTT 8961
Qy 624 TTGAAATGAAAAAAATGATAGATTAGAAAAAACAATTTTATTAATTAATAT 683
Db 8960 TAAAGATGCTGATATATGCTTGGACAAAAATATATCAAAAGCTGAGCATCTTG 8901
Qy 684 TTT---GAAGTATAGTTCTATATTTAAACAACA--GATCTAGCCAGGTGCAATGCTCA 738
Db 8900 TGTACCAGAATCAAGAAAGCTTCAAAATCAATGGGTATGCTCCAGGCAAGGTACTCA 8841
Qy 739 TGGCTGTAATCCAGCAATTTGGAAAGTGGAGTGGAGGATTGCTTGAAGCCAGGGGTT 798
Db 8840 CGGCTGTATCCAGCACTTAGGAGGCGAGGCGGAGGATAGCTTGAAGCCAGAGATT 8781
Qy 799 CAAGACAGCCTGGGCAACATGAGAGATTCCCATCTCTTCTTTACACACACACAC 858
Db 8780 TGAAGCTCTCTGGGAAATACATGAG-----AACCTGTCTCCACAAAAAGAAAAAG 8728
Qy 859 ACACACACACAAATCTGATAGCAACAGGTGCACTTCAACCAATTTCAAGTATG 918
Db 8727 AAAAAAAATCAATGATATATGTCCAAAGAAATCAAGAACCAAGAAAAAGGACCTCCA 8668
Qy 919 ATGAGCTTAATATTTGATTCAGATTACCAACAACATGTAACATGAAAAACGCTG 978
Db 8667 TTCA---CATATATAGTATCATTTAAGCATCAAAAAGATGATGCTATCTGCTGCTA 8612
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Db 8611 AGGTTTCCAGTACAGATGAGAGAAAAAAGTGTCTTATGCTTCTGCTGATGTG 8552
Qy 1038 TTGATATTAAGAAATGCTAGGTTTCAAGTTGATTTTGTCCGACGGTCTGAGCG 1097
Db 8551 GGCAGCTGAGATTAAATAGAAAGATACAG-----GG 8521
Qy 1098 CAGGTTAGAACGCCGCTCAAGCAGGAGGTGGACCTACACATGCAAGGCTCCACCTCG 1157
Db 8520 AAACCTGGAATACCTTGAAGAACAGTGAAGCCTGTTTACTAGAAAGATCTAATCTTT 8461
Qy 1158 GCCAATCAACTATATTTCCGAGCGGGGCGCTGCGCTTCCGGAACCCAGCTGCGCTCAG 1217
Db 8460 GAGTCGGCAGAGAAATGTCGGGAAATAGCCCTTACACCTTACCTGTTGATTAACAT 8401
Qy 1218 GGAAGAGACACACTTAAGAGTTTGGGCGCGGCTGATGCTCATGCCCCCTGATCCAG 1277
Db 8400 TGCAAAAGCTTTAAAGT-----GGCAGGCAACAGTGGCTCATGCTGTATATCCAG 8350
Qy 1278 CACTTCGGGAGCGTGAAGCACTTGTAGAGAGAGTTGACACAGCTTAACC 1337
Db 8349 AACTGTGGAGGCTGAGGAGGTGATCACAAG--GTAGAGAGTCAGACATCTGCTGCT 8291
Qy 1338 AACTGGCAGACCTGTCCCTTAAAAAAATTTTTTTTATTAAGCCAG---TGTGCT 1393
Db 8290 AACATGTGAACCCCATCTCTACTATAAAATACAAAAAAATTAAGCAGGCTGCTGCTG 8231
Qy 1394 GAGCGCTGTAGTCCAGCACTCTCGGAGGCTGAGGTGAGAGATGCG--TGGGCTCAGA 1452
Db 8230 GAGCGCTGTGCTCCAGCTACTCAGAGGCTGAAGTGGAGAAATGCAAGACCCGGGA 8171
Qy 1453 GTTCCAGACTGCACTGAGCCATGATGCGGCACTGCACTCCAGCGCG 1500
Db 8170 GCGGAGCTTGAGTGAAGCGAATTTTGCCTGCACTCAGCTCAGCTG 8123
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US-09-949-016-15714
; Sequence 15714, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15714
; LENGTH: 38343
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(38343)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15714
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Query Match 10.7%; Score 223.8; DB 4; Length 38343;
Best Local Similarity 49.5%; Pred. No. 4,6e-43;
Matches 361; Conservative 0; Mismatches 357; Indels 12; Gaps 4;
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Qy 117 TTCAAATATCTTTTTTTTTTTTTTTTGAAGAGGCTCACATGTCACCCAGGCTGAGT 176
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Qy 177 CCAGTGGCACTATCATGCTCTCACACAGGCTCAACCTTGAAGGCTCAGTATCTCCCA 236
Db 15601 GCAGTGGCAATCTCAGCTCACTGCACTCACTTCCGCGGTCAAGAAATTCCTCTG 15660
Qy 237 CTTGAGCTTCCGAGTATGATGGAGCTACAGGCACTGCGCAACCCCAAGCTAATTTTG 236
Db 15661 CCTCAGCTCTCGCGTATGAGACTACAAAGCCACACCAAGGCTATGCTAATTTTG 15720
Qy 297 TA-----GAGCAAGGTTTGGCATGTTGCAAGGCTGCTGAACCTCGGCGTC 348
Db 15721 TATTTTATGAAACAGGGTTTACCATGTTGCGAGGCTGGCGTTGAATCTCTGACCT 15780
Qy 349 AAGGATCCGGCAGCTCAGGCTCCCAAAGTGTAGATTTATAGCATGAGCACTGTGC 408
Db 15781 A--TGATCAACCGGCTCAGGCTCCCAAAGTGTAGATTTACAGTGTAGCCACAC 15838
Qy 409 CCAG--CTTACCTTCAACGATCTAATGCTTAACTTTAGATTGCGCTATGTCTC 467
Db 15839 CCGGCCCTAGTGTAACTTTTTTTTTTTTTTTTGAAGCAGAGCTGTGCTGTGCGC 15898
Qy 468 ACAACTTCTGTGTTA--CTCAACATCTGTCTTAAAGCACTAATCTTCTCATAG 526
Db 15899 CCAGGCTGGGCGCATCTCAGCTCAGTCAAGCTCCGCTCCNNNNNNNNNNNNNNNN 15958
Qy 527 TTAACACTTTTATGAGTTTATTAATCTGCTATTTTCTATCTCTATACAGAAAT 586
Db 15959 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 16018
Qy 587 GAATATTTTCAATAAAGACACTATGTTACAATCTTTGAAATGAAAAAAATGCA 646
Db 16019 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 16078
Qy 647 TAGGATTAAGAAAGAACCAATTTTAATACTATTTTGAAGTATAGTTCTATATTA 706
Db 16079 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 16138
Qy 707 ACAACAAGATCTAGCGCAGGTGAGTGCATGCTGTATCTCCAGCAATTTGGAGAT 766
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40585 / ATCCGGTGAACCTCGTCTCTACTAAATACAAAAATTAGCCGAGCGTGTGCGGG 405916

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? LENGTH: 678533
? TYPE: DNA
? ORGANISM: Human
? FEATURE:
? NAME/KEY: misc_feature
? LOCATION: (1)...(678533)
? OTHER INFORMATION: n = A,T,C or G
?S-09-949-016-14578

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Query Match	10.5%	Score 21.9	DB 41	Length 678533
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			Gaps	7
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Db	405139	CCTTCATATCTCTTTTTTTTTTTTTTTTTTTTGGAGATGGAGTCACTCTGTGCTCAGCGCTGGAG	405198	
Qy	176	TCCAGTGGCACTATCATGAGCTCACCAGACGCTCAACCTTCAGGGCTCAGGTGATCTCTCC	235	
Db	405199	TGAGATGATGATATCTCCACTCACTGTAACCTCCGCTCCAGGTCAAGCATTTCTCCT	405258	
Qy	236	ACTTCAGCTCCCGAGTATGAGGACTACAGCACTGTGCACACCCCAAGCTAATTTTT	295	
Db	405259	GCTTCAGCTCTGTGATGCTGGAGTATCAGGCAATGCAACACCATGCTGATTAATTTTT	405318	
Qy	296	-----GTAGACAAAGGTTTTGGCATGTTGTGCAGGCTGATTTGAATCTCTGGAGC	346	
Db	405319	GTAAGTTATGATAGAACAGGGGTTTCAACATGTTGGCCGGGCTGTCTGAACTCTGACC	405378	
Qy	347	TCAAGGATCCGGCCACCTCAGACCTCCCAAAGTGTAGATTATAGACATGACCACTGT	406	
Db	405379	TCAAGTATCCGCCCGGCTCCGCTCCCAAAGTGTGGATTAAATGCTGAGCCACCG	405438	
Qy	407	GCCACGCTACCTTCAACGATCTTAATCTGCTTAACTTTT--AGANTCCGCTATGT	464	
Db	405439	CCCCGACCCATATTTCTTAATCTATCCCTCTCTTCCATTTGCAAGTACTGTTCTGTAG	405498	
Qy	465	CTCACAACCTTCTTGTCTTACTCAACATCCTTGTCTTAAAGCACTAGCTTCTTCTAT	524	
Db	405499	CTTCCCAATGCTCTCCCTATGTCCAAATCTTCATCTTCCAAATTAATCTTCTCTGT	405558	
Qy	525	GATTACACTTTTATGATTATTAATCTGCTTATTTTCTTATCTCTATACAGAA	584	
Db	405559	GCCAAACTAGATTTCTTAAATAAGGATAGTCACTGTTACTCTCTGATTTAAATTTGA	405618	
Qy	585	TTGAATATTTTCAAAATAAAGCACTCATGTTAACAATCTTTGAATGAAAAAATAATG	644	
Db	405619	TAACTCATCACTGCAAAAGAAATCTTGAATAATTAACATGATTCATTCCTTTCAAG	405678	
Qy	645	CATAGATTTAGAAAAAAACCAATTTTAATTAATTAATTTTGAAGTATAGTTCTATAT	704	
Db	405679	CTTATCCCTCTATAGCTCCCTGCTTGCAAGTCACTTATCTCAGAAATAGTTCCAGTT	405738	
Qy	705	AAACAAAC-----AGATCTAGGCGAGGTGCACTGAGCTCATGCTGAATCCAGCA	755	
Db	405739	CCTTACAGTTTATGATCATTTGAGGCGGAGCAAGTGTCTAAGCTGTAATCCAGCA	405798	
Qy	756	ATTGGGAAGTCGAGGTGGAGGATTTGTTGAAGCCAGGGGTTCAAGACGAGCTGGCA	815	
Db	405799	CTTTGGAGGCGGAGGCGGCGGAT--CAGAGGTGAGAGATCGAACCATCTGTGCTA	405856	
Qy	816	ACATGGAAGATTTCCCATCTCTTTCTTTTACACACACACACACACACACACAAATAT	875	
Db	405857	ATCCGCTGAACCTGCTCTCTCTATAAAATATACAAAAAATTTAGCCAGGCTGTGCGGG	405916	
Qy	876	CTGATAGCAACAGGTGCACTATTAACCAATTTGAGATGATGATAGCTTAATATAT	935	
Db	405917	CGCTGTAGTCCAGCTACTCGGAGGCTGAGGCAAGAAATGCGTGAACCCGGAAGC	405976	
Qy	936	TGAGATTATCAACCAACTGTAACTAATCATGAAAAAGCTGTGTGATGATTTGGCCAC	995	
Db	405977	GGAGCTTGAAGAGCCAGATTCGGCCACTGCACTCCAGTCTGGGGCAAGAGCAAGAC	406036	
Qy	996	AAAGTCACAGGTACTGCTAATACTCCTGTATTTGTAGTAATTCATATAAAGAAATG	1055	
Db	406037	TCCGCTCAAAAAAAAAAAAAAAAACAAAAAACAATCTGAGATCATTTGAGACC	406096	
Qy	1056	CTAGGTTCAAGTTGGATTTTGTCCGAGG-----TGTGTGACGGCAGGTTAGAACG	1110	
Db	406097	TTTGCTCATGTAATTTCAATGCTGCGAAGTGTCTCTCTGTGATGAAAAATCTTTCC	406156	

QY	1111	CCGTCGCAAGCCAGAGGGGTGACCTAGACCTGACAGGGTCCACCTGGGGCAATCAACTAT	1170
Db	406157	ATACCTCAAGATGGAATTTGGAGAGTTACTCTCTGTGTAAACTTCTTAATGATTTCCAAAGT	406216
QY	1171	ATTCGCCGAGGCGGGGGCCCTGGCGCTTCCGGACCCAGCTGCGCCTCAGGGGAGAGACAC	1230
Db	406217	CAGGCTTTCTATGTGAAATTTATTTTACACATGCTAGTTTAAAAAACAABAACAAC	406276
QY	1231	ACTTAAGATTGGGGCGCGGTGTAGCTCATGCCCCCTGATCCAGCATTTGGAGGC	1290
Db	406277	AAAAAACAAGACAGACAGGACCGGTGCTCAGCGCTGTAATCCAGACCTTTGAGAGCG	406336
QY	1231	TGAGCGCTGAAGATCATCTTGTAGCAGGAGTTTGAAACCAAGTCTTACCAACTTGGGAGAC	1350
Db	406337	TGAGCGCGGTGGATCAAG-GTCAGGAGTTTGAAACCAAGCTGTGCCAACAATGTGAAC	406395
QY	1351	CGTGCCCTTAATAAATTTTTTTTTTAATAGCCAGTTGTGGTGAAGCGCCTGTAGTCCCA	1410
Db	406336	GCGCTCTTATTTAAAAATACAAAAATAGTGGGGTGTGTGGCAGGCGCTGTATCCCA	406455
QY	1411	GCTACTCGGAGGCTGAGGTGGGAGATGCTGGGCTCA-GGAGTTCCAGACTGCAGTGA	1469
Db	406456	GCTCTTCAAGGAGACTGAGGAGGAATCCCGTGATCTGGGAGCGGAGTTGCAGTGA	406515
QY	1470	GCCATGATGCGGCGCACTGCACCTCCAGC	1496
Db	406516	GCCGAGAACGCAACCACCTGCACCTCCAGC	406542
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US-09-949-016-12513/c			
; Sequence 12513, Application US/09949016			
; Patent No. 6812339			
; GENERAL INFORMATION:			
; APPLICANT: VENTER, J. Craig et al.			
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED			
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF			
; FILE REFERENCE: CLO01307			
; CURRENT APPLICATION NUMBER: US/09/949,016			
; CURRENT FILING DATE: 2000-04-14			
; PRIOR APPLICATION NUMBER: 60/241,755			
; PRIOR FILING DATE: 2000-10-20			
; PRIOR APPLICATION NUMBER: 60/237,768			
; PRIOR FILING DATE: 2000-10-03			
; PRIOR APPLICATION NUMBER: 60/231,498			
; PRIOR FILING DATE: 2000-09-08			
; NUMBER OF SEQ ID NOS: 207012			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 12513			
; LENGTH: 103987			
; TYPE: DNA			
; ORGANISM: Human			
US-09-949-016-12513			
Query Match			
Best Local Similarity 10.5%; Score 219.2; DB 4; Length 103987;			
Matches 426; Conservative 0; Mismatches 283; Indels 17; Gaps 2;			
QY	128	TTTTTTTTTTTTTTTGTGACAGGGGTACACTGTACACCCAGGCTAGAGTCCAGTGCACCT	187
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QY	188	ATCATAGGCTCACACAGGCTCAACCTTCAAGGCTCAGGTGATGCTTCCACTTCAGCTCC	247
Db	48449	ATCTTAGGCTCACTGCAACTCTTCGCCACAGGGTTACACAAATTTCTCTGCTCAAGCTCC	48390
QY	248	CGAGTAGATGGGACTACAGGCACTGCGCAACCCCCAGACTAA-----TTTTTGT	297
Db	48389	TGAGTGGCTGGGACTACAAAGACAGGCAACGCGCTGTTAATTTGTTAATTTTAAAT	48330
QY	298	AGAGCAAAAGTTTGGCATGTGTGTCCAGGCTGTGTTGAATCTCTGGGCTCAAGGATCC	357
Db	48329	AGAGCAGGGTTTACATGTATCATCCAGGCTGTGTGAAATCTCTGAACCTCAGGTGATCC	48270


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RESULT 15
US-09-949-016-17390
; Sequence 17390, Application US/09949016
; Patent No. 681239
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20

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[illegible]

Mon Feb 28 11:42:48 2005

us-09-909-317-5.rn1

Page 12

Search completed: February 28, 2005, 01:15:34
Job time : 453.133 secs

QY 121 AAATATCTTTTTTTTTTTTTTTTGAACAAGGCTCACATGTCACCCAGGCTAGAGTCCAG 180
 DB 122 AAATATCTTTTTTTTTTTTTTTTGAACAAGGCTCACATGTCACCCAGGCTAGAGTCCAG 180
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 DB 181 TGGCATATCATAGGCTCACACAAGGCTCACTTCAGAGGCTCAGAGGATCTCCCACTTC 240
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 QY 1141 TGACGGGTCCAGCTTCGGGCTCAATCAATATTTCCGAGGCTGGGGCTGCTGCTCCGG 1200
 DB 1141 TGACGGGTCCAGCTTCGGGCTCAATCAATATTTCCGAGGCTGGGGCTGCTGCTCCGG 1200
 QY 1201 ACCGAGCTGCCCTCAGGGGAGAGAGACACCTTAAGAGTTTGGGGCCGGCTGTAGCT 1260

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 QY 1261 CATGCCCTGATTCACAGCACTTCGGAGGCTGAGGCTGAAAGATCATTTGTAGAGAGT 1320
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 QY 1321 TTGAGACCAATCTAGCCCACTTGGCGAGACCTTCTCCCTAAATAATTTTTTTTAAAT 1380
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 QY 1381 AGCCAGTTGTGTAGAGCCCTGTATGTCAGCTTACCTGCGAGGCTGAGTGGAGATTCG 1440
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 QY 1801 GTGGCCGGTTCGCTGAGGCTTCCGCGCGGCAAGGATCATCAAGGAAACGCGC 1860
 DB 1801 GTGGCCGGTTCGCTGAGGCTTCCGCGCGGCAAGGATCATCAAGGAAACGCGC 1860
 QY 1861 CACGCGAGGCGCGAGGCGGCAAGGCTGTTCTAGGTCGTCGTCGTCGTCGTCGTCG 1920
 DB 1861 CACGCGAGGCGCGAGGCGGCAAGGCTGTTCTAGGTCGTCGTCGTCGTCGTCGTCG 1920
 QY 1921 CTTTGGCGGCACTTGGGAGGATGCGGAGCTTTCGATTAAGCTTATCGAGTCGAGTA 1980
 DB 1921 CTTTGGCGGCACTTGGGAGGATGCGGAGCTTTCGATTAAGCTTATCGAGTCGAGTA 1980
 QY 1981 CGCAGAGGCGGCGCGCTCTTTCGCAAGAAATGCGAGGAGCATCCCAAGGACTCGCT 2040
 DB 1981 CGCAGAGGCGGCGCGCTCTTTCGCAAGAAATGCGAGGAGCATCCCAAGGACTCGCT 2040
 QY 2041 CCGGATGCGCATCATGTCAGGTCGCGGCGCTGTGCGGCGGG 2085
 DB 2041 CCGGATGCGCATCATGTCAGGTCGCGGCGCTGTGCGGCGGG 2085

RESULT 2
 US-10-239-676-1
 ; Sequence 1, Application US/10239676
 ; Publication No. US20030082609A1
 ; GENERAL INFORMATION:
 ; APPLICANT: OLEK, Alexander
 ; APPLICANT: PIEPENBROCK, Christian
 ; APPLICANT: BERLIN, Kurt
 ; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
 ; FILE REFERENCE: 5013.1003
 ; CURRENT APPLICATION NUMBER: US/10/239,676
 ; CURRENT FILING DATE: 2002-09-24
 ; PRIOR APPLICATION NUMBER: PCT/EP01/03968

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/ DE 10019058.8
/ DE 10019173.8
/ DE 10032529.7
/ DE 10043826.1
/ PRIOR FILING DATE: 2001-04-06
/ 2000-04-06
/ 2000-04-07
/ 2000-06-30
/ 2000-09-01
/ NUMBER OF SEQ ID NOS: 228
/ SEQ ID NO 1
/ LENGTH: 10619
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-1

Query Match      58.7%; Score 1223.6; DB 14; Length 10619;
Best Local Similarity 77.2%; Pred. No. 4.2e-289;
Matches 1618; Conservative 0; Mismatches 459; Indels 19; Gaps 10;

QY      1 TTAGGAGATATAGTGTCAACCCAGAGATGAGCATGATGCTTTGACTGTGCA 60
Db      3116 TTAGGAGATATAGTGTCAACCCAGAGATGAGCATGATGCTTTGACTGTGCA 3175

QY      61 TTGCTTAGTAAACTTTTATTTGTTCCATCATATTTTCACTTATTCGTTTACCTCA 120
Db      3176 TTGCTTAGTAAACTTTTATTTGTTTATTTATTTTATTTTATTTTATTTTATTTT 3235

QY      121 AAATATCTTTTATTTTATTTTATTTGAGACAGGTCACACCTGACCCAGGCTAGAGTCAC 180
Db      3236 AAATA-TTTTATTTTATTTTATTTGAGATAGGTTATATTTGTTAGGTTAG 3293

QY      181 TGACACTATCATGAGCTCACACAGCTCAACTTCAGGGCTCAGTGATCTCCACTTC 240
Db      3294 TGATATATATATGTTATATATAGTTTATATTTTATAGGTTAGTATTTTATTTT 3353

QY      241 AGCTCCGAGTATGAGCTACACAGCAGCAGCTCCACACCCCGCTAATTTTGTAGA 300
Db      3354 AGTTTTCGATGATGAGCTATATAGTATTTTATTTATTTTATTTTATTTTATTTT 3413

QY      301 GACAGGTTTTCGATGTCAGAGCTGCTGATCTGATCTGAGGCTCAAGGATCCGCG 360
Db      3414 GATAGGTTTGTATGTTATGTTATGTTGTTTGAATTTTGGGTTTAAAGGATTCGGT 3473

QY      361 CACCTCAGCTCCCAAGTCTAGATATATGAGCATGAGCAGCTGTGCCAGGCTACCT 420
Db      3474 TATTTTATGTTTATTAAGTTAGATTAATGATTAAGTTATTTGCTTTAGTTATTTT 3533

QY      421 CAAGCTATCTACTGTTACTTAACCTTTTAAAGTTGGCTATGCTCAACCTTCTGC 480
Db      3534 TAAAGTTTAAATTTGTTATTAATTTTAAAGTTTCGTTATGTTTATTAATTTTGTG 3593

QY      481 TTAAGTCAACATCTCTGCTCTTAAGCAGTACCTCTCTCTATGTTTACACTTTTAT 540
Db      3594 TTAATTAATATTTTGTGTTTAAAGTTATGTTTATTTTATGTTTAAATTTTATTT 3653

QY      541 GAGTTTATTCATCTGCTATTTTCTTATCTCTATACAGAAATGAAATTTTCAAT 600
Db      3654 GAGTTTATTTATTTGTTATTTTATTTTATTTTATTAATTAATTAATTTTAAAT 3713

QY      601 AAAGCAGCTCATGTTTCAATCTTTGAATGAAAAAATGATGATGATTAAGAAAG 660
Db      3714 AAAGTATATTTATGTTTAAATTTTGAAT-GAAAAAATGATGATTAAGAAAG 3772

QY      661 AAACCAATTTTAAATTAATTAATTTTGAAGTATGCTATTAATTAACAATGATCTAG 720
Db      3773 AAATTAATTTTAAATTAATTAATTTGAAGTATGTTTATTAATTAATTAATGATTTAG 3832

QY      721 GCCAGTGCAGTGCCTCATGCTCTGTAATCCAGCAATTTGGAGAGTGCAGAGTAT 780
Db      3833 GTTAGGTGATGTTATGTTTGTATTTTATTTAGTAATTTGGAAAGTGCAGGTGGAGAT 3892
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QY      781 TGCTTAGGCAGGGGTTGAAGCCAGCCGCGGCAATGAGAGATTCGCCATCTCTT 840
Db      3893 TGTTTAGGCTTAGGGGTTTAAAGTTTATTTGGGTTAATGAGAGATTTTATTTT 3952

QY      841 CT-----TACACACACACACACACACACAAATATCTGATAGCAACAGTGCAG 894
Db      3953 TTTTATATATATATATATATATATATATATATATATATATATATATATATATAT 4012

QY      895 TCATTACCAATTTGAGTATGATGAGCTTATATATATTTGAGTTATCACCAACAC 954
Db      4013 TTAATTAATTTATTTGAGTATGATGAGTTTATATATATTTTCAGATTTATTAATAT 4072

QY      955 TGTAACTAACAAGAAAGCTGCTGATGATGATGATGATGATGATGATGATGATGAT 1014
Db      4073 TGTAAAGTAAATGAAGAAAGCTTGTATGATGATGATGATGATGATGATGATGATGAT 4132

QY      1015 ATACTCTGATATTTGTAG-TAATTCATTAATTAAGAAATGCTAGTTCAGTTGAT 1073
Db      4133 ATATTTTGTATTTGTATTTGATTAATTTATTAATTAAGAAATGCTAGTTTATGTTGAT 4192

QY      1074 TTTGTCGACGCTCTGTGACGCGCAGGTTAGAACGCCGCTCCAGCCAGAGGTTGAC 1133
Db      4193 TTTGTTTCGACGCTTGTGACGCGTATGACGTTAGAACGTTCTGTTTAAAGTTAGAGGTTGAT 4252

QY      1134 CTAGCACTGACAGGCTCACCTCGGCGCAATCACTAATTTCCGAGGCGGCGCTGCGC 1193
Db      4253 TTAGTATTTGAGGTTTATTTTGGGTTAATTAATTAATTTTGAAGCGGAGG-TTCGGT 4311

QY      1194 TTCGCGAGCCAGCTCCCTCAGAGGAGAGAGACACTTAAGATTTGGGCGCGGCT 1253
Db      4312 TTTTCGATTTTATGTTTATTTTATGAGGAGAGAGATATATTAAGATTTGGGCTCGGCT 4371

QY      1254 GGTAGCTATGCCCTGATCCAGCACTTCGAGGCTGAGCGTGAAGATCACTGTAG 1313
Db      4372 GGTAGTATATGTTTATTTGATTTTATTTGATTTTCGAGGCTGAGCGTGAAGATTTTGTAG 4431

QY      1314 CAGGATTTGAGACCAAGTCTAGCCAACTTGGCGAGACCTGTCCTTAAATTTT 1373
Db      4432 TAGGATTTGAGATTTGATTTGATTTTATTTGCGCAAGATTTGTTTAAATTTT 4491

QY      1374 TTAATTTAGCAGTTGTGAGAGCGCTGATGCTTCCAGCTACTCGGAGGCTAGGTGAG 1433
Db      4492 TTTAATTTAGTATTTGTTGATTTGATTTGATTTGATTTGATTTGATTTGATTTT 4491

QY      1434 AGGATCGTGGGCTCAGAGGTTCCAGATGAGTGAAGCATGATGAGCGCATCTCC 1493
Db      4492 AGGATCGTGGGCTTGAAGGTTTGAAGTTTGAATTTGATTTGATTTGATTTGATTTT 4611

QY      1494 AGCGCGTGAAGTCACTGCTCAAAATTAAGAGGAGGAGGTTGGGGTTAAATTTAGTG 1553
Db      4612 AGCGCGTGAAGTTTGTTTAAATTAAGAGGAGGAGGTTGGGGTTAAATTTAGTG 4671

QY      1554 TGAATCAAGTAAAGTCTCTCGGAGCAGAAATCAATCAAGAGGAGTGGCGCGGCTCTCA 1613
Db      4672 TGAATTAAGTAAAGTCTTTTGGAGTGAATTAATTAAGAGGAGTGGCGGCTCTTTAA 4731

QY      1614 AGAGTACTAGCTCAAGCCCAAGCCCGCTCGGCCCCCAGGAGCGGCGCAGAGCTCC 1673
Db      4732 AGAGTTATTAAGTTTAAAGTTTGGTTTGGTTTGA-TGTAAGCGGTGTAAGATTTT 4790

QY      1674 ACCGCGCAGCGCGCGGAGAACTCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1732
Db      4791 ATTCCGTTAGCGCTTTCGAGAAATTTCTTTTTCGTTGCTGATGAGGAGCGCGGTTGCTG 4850

QY      1733 CCGCCCGTGAAGCGCGGTTCCGT-GAGCTTCCCGCGCGCGAGGATCAGCAATCTATCAG 1791
Db      4851 TCGTTTCTGGAAGCGCGGTTTCTGCGCGGTTTCCGCGGTTAGTATTAATTTATAG 4910

QY      1792 GGAACGCGGTGCGCGGTGCGCGGTGCGGTGCGGTGCGGTGCGGTGCGGTGCGGTG 1849
Db      4911 GGAACGCGGTGCGGTGCGGTGCGGTGCGGTGCGGTGCGGTGCGGTGCGGTGCGGTGCG 4970
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QY 1850 CTGGGTGAGCGCGAGCGGCGGCGAGAGCGTGTGTTCTTAGGTGCGTGGCGTGC 1909
| | | | |
Db 4971 TTGGGTGAGCGTACGCGAGCGCGCGAGCGGTG--GCGTGTGTTTAGGTGCGTGGCGTGC 5027
| | | | |
QY 1910 GCGCTTCGAGAGCTTTGGCGCGAGCTAGGGAGAGATGCGGAGTCTTCGAGTAAGCTCTAT 1969
| | | | |
Db 5028 GGTTCCTCGAGTGTTCGCGGTATGAGGGAGATGCGGAGAGTTCGAGTAAGTCTTAT 5087
| | | | |
QY 1970 CGAGTCGAGTACGCCAAGACCGCGCGCTCTTCGAGAGAAATGACGCCAGAGCATCCCC 2029
| | | | |
Db 5088 CGAGTCGAGTACGTTAAGACCGCGCGCTTCGAGAGAAATGAGTACGAGTATTTT 5147
| | | | |
QY 2030 AAGACATCGCTCCGAGTGGCATCATGTGCGAGTCCGCGCGCTGCGGCGGCG 2085
| | | | |
Db 5148 AAGATTCGTTTTCGAGTGTATTAATGAGTGTGAGTGTGCGGCGCGCG 5203
| | | | |
RESULT 3
US-10-311-455-43
; Sequence 43, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Detect
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311.455
; PRIOR FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 43
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-43
Query Match 58.7%; Score 1223.6; DB 15; Length 10619;
Best Local Similarity 77.2%; Pred. No. 4.2e-289;
Matches 1618; Conservative 0; Mismatches 459; Indels 19; Gaps 10;
QY 1 TTTAGGGATGATATAGTTGTCACACCGAGATGGCATGATCATGCTTTGACTGGTCA 60
| | | | |
Db 3116 TTTAGGGATGATATAGTTGTCACACCGAGATGGCATGATCATGCTTTGACTGGTCA 3175
| | | | |
QY 61 TTCTCTAAGTAAACCTTTATTTGTTCCATCATATTTTCCACTTATCTGTTCCTTCA 120
| | | | |
Db 3176 TTTTCTAAGTAAATTTTATTTGTTTATATATTTTATTTATTTATTTATTTTATTTT 3235
| | | | |
QY 121 AAATATCTTTTCTTTTCTTTTCTTTTGAAGAGGCTGACCTGTACCCAGGCTAGAGTCCAG 180
| | | | |
Db 3236 AAATA--TTTTTTTTTTTTTTTTTGAAGTAGGGTATATGTATTTTGAAGTAAAGTTTAA 3293
| | | | |
QY 181 TGGCATATCATGCTGACCAACAGCTCAACCTTCAGGGCTCAGGTGATCTCCCACTTC 240
| | | | |
Db 3294 TGGATATATATATGTTTATTTATTTATTTTATTTTATTTTATTTTATTTTATTTT 3353
| | | | |
QY 241 AGCTCCGAGTAGATGGAGCTACAGGCACTGCGCACCCGCCAGCTAAATTTTGTAGA 300
| | | | |
Db 3354 AGTTTTCGAGTAGATGGAGCTATATAGGATTTGTTATTTTATTTTATTTTATTTT 3413
| | | | |
QY 301 GACAGAGTTTTCATGTTGTCAGGCTGTGTTGAACCTCTGGGCTCAAGGAGATCCGCG 360
| | | | |
Db 3414 GATTAAGGTTTGTATATGTTGTTAGGTTGTTGAATTTTGGTTTAAAGGAGATTCGCT 3473
| | | | |

QY 361 CACCTACGCTCCCAAAAGTGTAGATTAAGCATGAGCCACTGTGCCAGCTTACT 420
| | | | |
Db 3474 TATTTTACTTTTAAAGTGTAGATTAATAGATTAATGATTAATGTTTATTTT 3533
| | | | |
QY 421 CAACGATCTAATGCTGTTACTTAATCTTTAGATTTGCGCTATATGTTCTACAACCTTCTTGC 480
| | | | |
Db 3534 TAACGATTAATTTAGTATTAATTTTATTTTATTTTATTTTATTTTATTTTATTTT 3593
| | | | |
QY 481 TTATCTCAACCTCTGTCTCTTAAGCACTAGGCTCTCTCTATAGTAACTTTTAT 540
| | | | |
Db 3594 TTATTTAAATTTTGTGTTTAAAGTATTAATTTTATTTTATTTTATTTTATTTTAT 3653
| | | | |
QY 541 GAGTTTATATCATGCTTATTTTCTTATCTCTATACAGAAATGAAATTTTCAAT 600
| | | | |
Db 3654 GAGTTTATTTATTTGTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT 3713
| | | | |
QY 601 AAAGCAACCTATGTTACATCTTTGAAATGAAAAAATGCAATGATTTGAAAG 660
| | | | |
Db 3714 AAAGTATATTTATGTTATTAATTTTGAAT--GAAAAAATGATATGATTTGAAAG 3772
| | | | |
QY 661 AAACCAATTTTAAATTAATTAATTTTGAAGTATGTTCTATTAATTAACAAAGATCTAG 720
| | | | |
Db 3773 AAATTAATTTTAAATTAATTAATTTTGAAGTATGTTTATTAATTAATTAATTAATTTAG 3832
| | | | |
QY 721 GCGAGTGCAGTGGCTCATGCTGTATCCAGCAATTTGGAAATCGAGGTGAGGAT 780
| | | | |
Db 3833 GTTAGGTGTAGGTTTATGTTTATTTATTTATTTAGTATTTGGAGATCGAGGTGAGGAT 3892
| | | | |
QY 781 TGCTTGAAGCCAGGGGTTCAAGACAGCTGTGGCAATGAGAGATTTCCCACTCTCTT 840
| | | | |
Db 3893 TGTTGAGGTGAGGGGTTAAGATTAAGTTGAGTAAATGAGAGATTTTATTTT 3952
| | | | |
QY 841 CTT-----TACACACACACACACACACACACAAATATCTGATAGCAACAGGTGAG 894
| | | | |
Db 3953 TTTTAT 4012
| | | | |
QY 895 TCATTAACCAATTTGAGATGATGATGAGCTTAATATATTTTCAATTTATCAACAAC 954
| | | | |
Db 4013 TTATTAATTAATATTTGAGTGTGATGATTAATTAATTTTCAATTTATTAATTAATTAAT 4072
| | | | |
QY 955 TGCTAACTTAACATGAAACCTCTGTGATGATTTTCCCAAAAGTCAAGGTCTGCTA 1014
| | | | |
Db 4073 TGCTAAAGTAAATTAAGAAACGTTGTGATGATTTATTTTAAAGTATTAAGTATTTGTA 4132
| | | | |
QY 1015 ATACTCTGATTTTGTAG--TAAATTCATTAATTAAGAAATGCTAGGTTTCAAGTGTAT 1073
| | | | |
Db 4133 ATATTTTGTGATTTTGTATGATTAATTTATTAATTAAGAAATGTTAGTTTATGTTGAT 4192
| | | | |
QY 1074 TTTGTCCGACCGCTGTGAGACGAGGTGAAACGCCGTTCACAGCCAGAGGAGTGAAC 1133
| | | | |
Db 4193 TTTGTTCGACCGGTTTGTGACGAGTGAAGTGAACGTTTCGTTTAAAGTGAAGGAGTGAAT 4252
| | | | |
QY 1134 CTAGACATGCAAGGTTCACCTCGGGCCAAATCAATATTCCTCGAGGCGGGGAGCTGAGC 1193
| | | | |
Db 4253 TTAGATATGTAAGGTTTATTTGCGGTTATTAATTAATTTTCAAGCGGGGAG--TTCGCT 4311
| | | | |
QY 1194 TTCCGGAACCAAGCTGCTCTCAAGGAGAGAGACACTTAAGATTTGGGCGGCGGT 1253
| | | | |
Db 4312 TTTTGGGATTTTATGTTTATTTTGAAGAGAGAGATTAATTTAAAGTTTGGGGGTGAGGCT 4371
| | | | |
QY 1254 GGTAGCTACGCGCTGATCCAGCACTTCGAGAGGCTGAGGCGTGAAGATCACTTTGAG 1313
| | | | |
Db 4372 GGTAGATATATGTTTATTTTGAATTTTGAATTTTCGAGAGGTTGAGGCGTGAAGATTTT 4431
| | | | |
QY 1314 CAGAGTTTGAACCAAGCTATACCAATTTGGGAGAACCTGTCCTTAATAAAAAATTTT 1373
| | | | |
Db 4432 TAGGAGTTTGAATTAATTTATTTTATTTTGAAGATTTTGTATTTTAAAAAATTTT 4491
| | | | |
QY 1374 TTTAATTAAGCAATTTGTGTGAGCCCTGATCTCAGTCCAGTCTCGAGAGGCTGAGTGGG 1433
| | | | |
Db 4492 TTTAATTAATTAATTTGTGTGAGCCGTTGATTTTATGTAATTCGAGAGGTTGAAGTGGG 4551
| | | | |
QY 1434 AGATTCGCTGAGCTCAGAGTTCACAGCTGACAGTATGAGCCATGAGCGGCACTGCACTCC 1493
| | | | |

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Db      4552 AGGATCGTGGTTAGAGATTGTAAATTGAATGATGATTAACGCCTAATTGATTTT 4611
Oy      1494 AGCCGGGTGAAGCATCAGTCCTCAAAAATAAAGGGGAGGGGTGGGGGTAAATTAAGTTG 1553
Db      4612 AGCGGGGTGAGATTAGTTTAGTTTTAAAAATAAAGGGGAGGGGTGGGGGTAAATTAAGTTG 4671
Oy      1554 TGAATATCAAGTAAGACTTCCTGGGACAGAACATATAAGGGGTGGCGCCGGGTCTCCAA 1613
Db      4672 TGAATATTAAGAATGATTTTGTGGGTAGAAATAATTAAGGGGTGGCGCTGGGTTTTTTAA 4731
Oy      1614 AGAGCTACTAGTGTCAGGCCAAGCCCCGCTGGCCCCCAGGGGACGGGCGCACAGCTCC 1673
Db      4732 AGAGTTATTAGTTTAGTTTAGTTTAGTTTGTGTTGTTTAA-GTAGCCGATCTAGAGTTT 4790
Oy      1674 ACCGGGACAGCGCCCGGGGAAATCCGCCCCCGCCGCGGACAGGCGCGCG-C-CCGCGGCC 1732
Db      4791 ATTGGTATAGGGGTTTCGGGAAATTTTCGTTTTTCGTCGGTAGGGGGCGCGCTCGTGGTT 4850
Oy      1733 CCGCCCCGTGACCGCGGTTCCGT-GGCGTTCCCGCGGCGACGACATCAATCTATCAG 1791
Db      4851 TCCTTTCTGACCGCGGTTTCGTGGCGTTTTCGCGGTAGATATTAATTAATTAG 4910
Oy      1792 GGAACGGGGGTGGCCGGTGGCGCGCGTTCGGTG--CGTCTGGCCCTCACCCTGGGG 1849
Db      4911 GGAACGGGGGTGGTGGTGGCGCGCGTTCGGTGGCGGTTTGTGCTTTAAGATTTAGCGG 4970
Oy      1850 CTGGGTGACGCGACGCGAGCGGCGGCGGCAAGCGTGTCTTCTAGTGTGTCGCGTCG 1909
Db      4971 TTGGGTAGCGCTTACGCGAGGGCGCGAGCGGTA---GGGTCTTTTAGTGTGTGGCTCG 5027
Oy      1910 GGCTTCCGGAGCTTTGGCGGACGCTAAGGGAAGATGCGGAGTCTTCGATTAAGCTTAT 1969
Db      5028 GGTTCCTCGAATTTTGGCGGTATGTTAAGGAGATGCGGAGATTTTCGATTAAGTTAT 5087
Oy      1970 CGAGTCGAGTACGCCAAGAGGGGGCGCCCTCTTGCAAGAAATGACGAGAACATCCC 2029
Db      5088 CGAGTCGAGTACGTTAAGAGGGGGCGCTTTTGTAAAGAAATGAGCGAAGATATTTT 5147
Oy      2030 AAGACTGCTCCGGATGCGCATCATGATGTCAGAGTGGCGGCGCGCTGTCGGCGGG 2085
Db      5148 AAGATTCGTTCCGATGTTATTAAGTATGATGCGGGGTTGTGGCGGGCGCG 5203

RESULT 4
US-10-240-453-1
; Sequence 1, Application US/10240453
; Publication No. US20030148326A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA
; TITLE OF INVENTION: Transcription
; TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated
; FILE REFERENCE: 5013.1009
; CURRENT APPLICATION NUMBER: US/10/240,453
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03973
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; NUMBER OF SEQ ID NOS: 350
; SEQ ID NO 1
; LENGTH: 10619
; TYPE: DNA

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-453-1

Query Match      58.7%; Score 123.6; DB 15; Length 10619;
Best Local Similarity 77.2%; Pred. No. 4.2e-289;
Matches 1618; Conservative 0; Mismatches 459; Indels 19; Gaps 10;

QY      1      TTTAGGGAGATATATAGTGTCAACCCAGAGATGGCATGATGACCTTTTGACTGGTCA 60
Db       3116    TTTAGGGATGATATAGTGTTAATTATGAGATGGATGATTATGTTTTTGATTGGTTA 31175
QY      61      TTCTCTAAGTAAACTTTTATTTGTTCCATCATATTTTCCACTTATTCGTTTACCTTCA 120
Db       3176    TTTTAAAGTAAATTTTATTTGTTTATTAATTTTATTTATTTATTTGTTTATTTTAA 3235
QY      121     AAATATCTTTTTTTTTTTTTTTTTGAGACAGAGGTCACTGTCAACCCAGGCTAGAGTCCAG 180
Db       3236    AAAATA - TTTTTTTTTTTTTTTTTTGAGATAGAGGTTATATTTGTTATTTAGGTTAG 3293
QY      181     TGGCATCATATGCGTCCACACAGCCTCAACTTCAGGCTCAGGTATCCTCCACTTC 240
Db       3294    TGGATATATATATGAGTTATATATAGTTTATATTTTATAGGTTTAGGTATTTTTTATTTT 3353
QY      241     AGCCTCCCGATGATATGGGACTACAGGCACCTGCGACCAACCCCACTATTTTGTAGA 300
Db       3354    AGTTTTCGATGATATGGGATATATAGGTATTTGTTATTTATTTTAAATTTTGTAGA 3413
QY      301     GACAAAGTTTTTGCCATTTGTCCAGGCTGTGCTTGAACCTCGGGCTCAAGGATCCGGC 360
Db       3414    GATATAGGTTTTGTATGCTGTGTAGGTGGTTTGAATTTTGGGTTTAAAGGATTCGGT 3473
QY      361     CACCTCAGCCTCCCAAGTCTATGATATATAGCATGAGCACTGTGCCAGCCTTACTT 420
Db       3474    TATTTTGGTTTTTAAAGTGTGGATTAATAGGATACGTTATGTGTTTAAATTTT 3533
QY      421     CAAGTATCTATACGTGTACTTAACTTTAGATTTGGCCATATGCTACAAACCTCTGTC 480
Db       3534    TAAAGTATTTAATTTGGTTATTTAATTTTATTTTATTTTATTTTATTTTATTTTGT 3593
QY      481     TTACTCAACATCCGTGTCTCTTAAGCCATCAGCTTCTTCTATGTTTAAACACTTTTAT 540
Db       3594    TTAATTTAATTTTTTGTTTTTTAAAGTATATAGTTTTTTTTTTTATGTTAATTTTTTAT 3653
QY      541     GAGTTTATTTATCATGCTTATTTTTCTTATTCCTATACAGAAATGAAATTTTCAAT 600
Db       3654    GAGTTTATTTATTTTGTGTATTTTATTTTATTTTATTTTATTTATTAAGAAATTTTAAAT 3713
QY      601     AAAGCACTCATGTTATCAATCTTTGAAATGAAAAAAGAAAAAGCATAGGATTAGAAAG 660
Db       3714    AAAGTATATTTATGTTATATTTTGAAT - GAAAAAAGAAAAAGTATAGGATTTAGAAAG 3772
QY      661     AAAACAATTTTAAATACTATATTTGAAGTATAGTTCTATATTAAACAACAAGATCTAG 720
Db       3773    AAAATTAATTTTAAATAATTAATTTTGAAGTATAGTTTATTTAATAATAAGATTTAG 3832
QY      721     GCCAGGTGAGTGGCTCATGCCCTGTATCCACAGCAATTTGGGAAGTGCAGGTGGAGGAT 780
Db       3833    GTTAGGTGTAGGTGTATGTGTTATTTGTATATTTTGAATTTTGGGAAGTGCAGGTGGAGGAT 3892
QY      781     TGCTTAGGCGCAGAGGGGTCAAGACAGCCGTGGGCAACATGGAGAGATTTCCCATCTCTT 840
Db       3893    TGTTTAGGTTAGGGGTTTAAAGTTAGTTTGGGTATATGAGAAAGATTTTATTTTTTTT 3952
QY      841     CTT-----TACACACACACACACACACACAAATATCTGATGCAACGGTGCAG 894
Db       3953    TTTTATATATATATATATATATATATATATATATATATATATTTGATAGTATAGGTGTTG 4012
QY      895     TCAATTACCAAAATTTGAGTAGAGATGAGCTTAAATATATTTGAGATTACACCAACAAC 954
Db       4013    TTAATATATATATTTGAGTAGAGATGAGTTAATATATATTTGAGATTATTTAATAT 4072

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OY	955	TCCTAACTCAACATGAAAAAGCTCTGATGATCAATATGGCCACAAGTCAAGACTCTGCTA	1014
Db	4073	TCCTAAAGTAATATGAAAAAGTTTGGATGATTAATTTATTAAGATTATAGTATTTGTTA	4132
OY	1015	ATATCTCTGGATTTTGTAG-TAAATTCATTAATAAGAAATGCTAGTTTCAGTTGGAT	1073
Db	4133	AATATTTTGGTATTTTGTAGTTAAATTATTAATAAGAAATGTTAGTTTATAGTTGGTAT	4192
OY	1074	TTTGTCCCGACGGTCTGTGAGACGGACAGTTTAGACGCCCTGCACAGCAGAGGGTGGAC	1133
Db	4193	TTTGTTTTGACCGGTTTGTGGAACGGTAGGTTAAMAGTTTCGTTTATAGTTAGAGGGGTGAT	4252
OY	1134	CTAGACTGACAGGGTCCACCTCGGGCCATCAACTATATTCGCCAGGGGGGCCCTGGCC	1193
Db	4253	TTTAGATTTGTAGGGTTTATTTGCGGTTATTTATTTATTTTTCAGAGCGGGGG-TTCCGT	4311
OY	1194	TTTCCCGAACCCAGCTGCGCTCAGGGGAGAGAGACACTTAAGATTTGGGGCCGGCGT	1253
Db	4312	TTTTCCGAAATTAGTTGTTTATAGGGGAGAGAGATATTTTAAAGATTTGGGGTCGGCGT	4371
OY	1254	GGTACCTATGCCCCGTGATCCAGACCTCGGAGGCGTAGCGGAGATCACTTGTAG	1313
Db	4372	GGTATGTAATGTTTATTTGATTTTATGATTTCCGGAGGTTGAGCGCGAAGATTAATTTGGAG	4431
OY	1314	CAGAGTTTGAACCAAGCTAGACCAATTTGGCGAGACCTGTCCCTAAAAAAATTTT	1373
Db	4432	TAGGAGTTTGAAGTATAGTTTATTTAGTTAATTTGGCGAGATTTGTTTTAAAAAAATTTT	4491
OY	1374	TTTTATTTAGCAGTTGTGTGAGCGCCCTGTAGTCCAGCTACTCGGAGGCTGTAGGTGG	1433
Db	4492	TTTTATTAATGTTAGTGTGTGAGCGGTTGTAGTTTATGTAATTCGGAGGTTGAGGTGG	4551
OY	1434	AGGATCGCTGGGCTCAGAGGTTCCAGACTGACGTGAGGCTATGATGGCGGCTGCATCC	1493
Db	4552	AGGATCGTTGGGTTTAGAGATTTAGATTGATGATGATTAAGTCGGCTATTTGTAATTT	4611
OY	1494	AGCGGGGTGAGACTCAATCTCAAAATTAAGGGGAGGGGTTGGGGTAAATTTAGTTG	1553
Db	4612	AGCGGGGAGAAATTTAGTTTAAAAATTAAGGGGAGGGGTTGGGGTAAATTTAGTTG	4671
OY	1554	TGAATCAAGTAAGACTCTCTGGGACAGAAACATCAAAAGGGGTGGCGCCGGGCTCCCA	1613
Db	4672	TGAATTAAGTAAGTTTTTTTGGATAGAAATATTAAGGGGTGGCGCTCGGGTTTTTAA	4731
OY	1614	AGAGCTACTAGCTCAGCCCAAGCCCGCTGGCGCCGCCAGGGACAGCGCGCAGACTCC	1673
Db	4732	AGAGTTATTAATTTAGTTTATTTAGTTTCGTTTCGTTTGA-GGTAGCGGTGATAGTTT	4790
OY	1674	ACCGGGACAGGGCCCGGGAACTCGCCCCCGCCCGGACAGGGCGCGC-CGCGCGGCG	1732
Db	4791	ATTGGATAGGGGTTTCGGGAAATTTTCGTTTTGCGTCCGTAGGGGGCGCGCGCTCGGTT	4850
OY	1733	CGGCCCGGTGACGCGGGTTCCGT-GGCGTTCCCGCGGCGAGGATCAGCAATCTATCAG	1791
Db	4851	TCGTTTCGTGACGCGGGTTTCGTGGGGGTTTTGCGCGTTTAAAGTATTAATTTATAG	4910
OY	1792	GGAACTGCGGTGCGCGGTGCGCGCTGTTTCGGTG--CGCTCGCGCGCTCAGCGGTGGCG	1849
Db	4911	GGAACTGCGGTGCGGTGCGCGCTGTTTCGTTTCGTTTCGTTTAAAGATTGGCG	4970
OY	1850	CTGGGTGAGCGCAGCGAGCGCGGAGCGGCAAGCGGTGTTCTTAGGTCTGTGGCTG	1909
Db	4971	TTGGGTAGCGTACGCAAGCGCGGAGGCGGTA---CGGTGTTTTTAAAGTCGTGGCG	5027
OY	1910	GGCTTCCGAACTTTTGGCGCAGCTAGGGAGATGGCGGAGCTTTCGATTAAGCTTAT	1969
Db	5028	GGTTTTCGAGTTTTCGCGTAGTTTAAAGGAGATGCGGAGTTTTCGATTAAGTTTAT	5087
OY	1970	CGAGTCGAGTAACGCAAGAGCGGGCGCGCTCTTCAAGAAATACGCGAGACATCCC	2029
Db	5088	CGAGTCGAGTACGTTTAAAGAGCGGGCGGTTTTTTTGTAAAGAAATGTACGAGATTAATTTT	5147
OY	2030	AAGACTTCGCTCCGAGTGGCCATCATGTCAGGATGGGCGCGCTGTGCGGCGGG	2085

Db 5148 AAGATTGTTTCGGATGTTATTATGGTGTAGGTGCGGTTTGTGCGGCGCGG 5203

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RESULT 5
US-10-240-589C-1
; Sequence 1, Application US/10240589C
; Publication No. US20040076956a1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; TITLE OF INVENTION: DNA repair
; FILE REFERENCE: 5013.1008
; CURRENT APPLICATION NUMBER: US/10/240.589C
; CURRENT FILING DATE: 2003-09-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03972
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058. 8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173. 8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 100332529. 7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 148
; SEQ ID NO 1
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; US-10-240-589C-1

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Query Match	58.7%;	Score 1223.6;	DB 17;	Length 10619;
Best Local Similarity	77.2%;	Pred. No. 4.2e-289;		
Matches 1618; Conservative	0;	Mismatches 459;	Indels 19;	Gaps 10

[illegible]


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Db      3594 TTAATTAATATTTTGTGTTTAAAGTATAGTTTATTTTATGTTATATTTTAT 3653
Qy      541 GAGTTTATTCATCTGTTATTTTCTATCTCTATACAGAAATGAAATTTTCAAT 600
Db      3654 GAGTTTATTTATTTGTTATTTTATTTTATTTTATTTATTTTAAAT 3713
Qy      601 AAAGCACTCATGTTACATCTTGAATGAAAAAATGATAGATTTAGAAAG 660
Db      3714 AAAGTATTTATTTATTTATTTTGAAT-GAAAAAATGATAGATTTAGAAAG 3772
Qy      661 AAACCAATTTTAACTATATTTTGAAGTATAGTTCTATATTTAAACAAGATCTAG 720
Db      3773 AAATTAATTTTAAATATTTATTTTGAAGTATAGTTTATTTAAATTAATTAAGATTAG 3832
Qy      721 GCCAGGTGCGTGGCTCATGCTCTGTATCCAGCAATTTGGAAAGTCAGGTGGAGAT 780
Db      3833 GTTAGGTGATGGTTATGTTTGTATTTTATTTAGTAAATTTGGAAAGTCAGGTGGAGAT 3892
Qy      781 TGCCTGAGCCAGGGGTTCAAGCCAGCTGGGCAATGAGAGATTTCCCATCTCTT 840
Db      3893 TGTTTAGGTTAGGGGTTTAAATGATTTGGTAAATGAGAGATTTTATTTT 3952
Qy      841 CTT-----TACACACACACACACACACACAAATATCTGATGCAACAGTGCAG 894
Db      3953 TTTTATATATATATATATATATATATATATATATATTTGATGATAGTGTG 4012
Qy      895 TCATTAACCAATTTGAGTAGTAGTGAAGCTTAAATATTTTGAATTCACCAAC 954
Db      4013 TTTTATTTTAAATTTGAGTAGTAGTGAATTAATTTTGAATTTATTTAAAT 4072
Qy      955 TGTAACTAACAGAAAGCTGTGTATGATTTGCCCCAAGTCAAGTATGCTAT 1014
Db      4073 TGTAAAGTAAATGAAACGTTGTATGATTTGTTTAAAGTATGATTTGTTA 4132
Qy      1015 ATACTCTGATTTTGTAG-TAAATTCATATTAAGAAATGCTAGTTTCAGTTGAT 1073
Db      4133 ATATTTTGTATTTGTAGTTAATTTATATTAAGAAATGATAGTTTATTTGAT 4192
Qy      1074 TTTTGTCCGACGGTCTGTGAGCGAGGTGAACCGCCGTCACAGCAGGTGAC 1133
Db      4193 TTTTGTTCGACGGTCTGTGAGCGGTAGTGAACGTTCTTAAAGTATGAGGTGAT 4252
Qy      1134 CTAGCACTGAGGGTCCACTCGGGCCAATCACTATTTCCGAGCGGGGGCCGTGCG 1193
Db      4253 TTAGTATTTGAGGTTATTTCCGTTAATTTATTTTGAAGCGGGGG-TTCGCT 4311
Qy      1194 TTCCCGGACCCAGCTCCCTCAGGGGAGAGAGACACTTAAGATTTGGGCGCGCT 1253
Db      4312 TTTTCGATTTATTTGTTTAAAGGAGAGAGATTTAAAGATTTGGGCTCGCGCT 4371
Qy      1254 GGTAGCTCATGCCCTGATCCAGCACTTGGGAGGCTGAGGCGTGAATCATTTGTAG 1313
Db      4372 GGTAGTATATGTTTGAATTTTGTATTTTGGGAGGTGAGCGGTGAATTTTGTAG 4431
Qy      1314 CAGGATTTGAGACAGCTCAGCACTTGGGAGAGACCTGTCCCTTAAAAAATTTT 1373
Db      4432 TAGGAGTTTGAATGTTTGAATTTTGGCGAGATTTGTTTAAAAAATTTT 4491
Qy      1374 TTTTAAATGACCAATTTGAGAGCGCTGATCCAGTACTCGGAGGCTGAGGTGAG 1433
Db      4492 TTTTAAATGATTTGTTGAGAGCGTTTGTAGTTTAAAGTTTCCGAGGTTAGGTGAG 4551
Qy      1434 AGGATGCTGGGCTCAGAGATTCAGACTGAGAGCCATGATGGCGGCACTGCATCC 1493
Db      4552 AGGATGTTGGGTTTGAAGATTTTGAATTTGATGATGATGATGATTTT 4611
Qy      1494 AGGCGGTGAGACTCATCTCAAAATTAAGGGGAGGGGTTGGGGTTAAATTTGTTG 1553
Db      4612 AGGCGGTGAGATTTGTTTAAATTAAGGGGAGGGGTTGGGGTTAAATTTGTTG 4671
Qy      1554 TGAATCAAGTAACTTCTGGGAGAGAACTCAAGGGGTGGCGCGGCTCTCA 1613

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Db      4672 TGAATTAAGTAAAGTTTGTGGATAGAAATTAAGGGGTGCGCTGGTTTAA 4731
Qy      1614 AGAGTACTAGCTCAGCCCAAGCCCGCTCGGCCCCAGAGGAGAGGCGCGAGAGTCC 1673
Db      4732 AGAGTATTAAGTTTAAAGTTTAAAGTTTGGTTTGA-GGTAGCGGTGTGAGATTTT 4790
Qy      1674 ACCGCGCAGGCGCGGAAACTCCGCCCGCGCGGAGAGGCGCGC-CCGCGGC 1732
Db      4791 ATTCGTTAGCGCTTCCGGAATTTCTTTTCCGTGTGATAGGAGGCGCGCTGTGCTT 4850
Qy      1733 CCGCCCGTGAAGCGCGGTTCCGT-GGCTTCCCGCGCCAGGCATCAGCAATCTATCAG 1791
Db      4851 TGCTTTCTGAGACCGCGGTTTCTGCGCGCTTTTCCGGTATGATTAATTTATAG 4910
Qy      1792 GGAACGCGGTGGCGCGGTGCGGTGCTTGGTG--CGCTGCGCTCAGCGGTGCGG 1849
Db      4911 GGAACGCGGTGTGCTGCTGCGGTGCTGCGGTGCGGTGCTGCTTAAAGATTTGCGG 4970
Qy      1850 CTGGGTGAGCGCAGCGGAGCGGCGAGCGGCAAGGCTGTCTAGTCTGTGCGTGC 1909
Db      4971 TTGGGTGAGCGTACGCGAGCGGCGAGCGGCTA--GCTGTTTAAAGTCTGTGCGTGC 5027
Qy      1910 GGCTTCGAGACTTTTGGCGGAGCTTAGGAGAGATGCGAGTCTTCCGATTAAGCTTAT 1969
Db      5028 GGTTCGAGGTTTGGCGGTGATAGGAGAGATGCGAGATTTCCGATTAAGTTTAT 5087
Qy      1970 CGAGTCAAGTACCCAAAGCGGCGCGCTCTTCAAGAAATGACGAGAGATCCCC 2029
Db      5088 CGAGTCAAGTACCTTAAGAGCGGCGCGCTTTTGTAAAGATGTCGAGATTTT 5147
Qy      2030 AAGGATCTCCTCCGATGTCATCATGTGTCAGTGTGCGGCGCTGTGGCGCGGG 2085
Db      5148 AAGATTCGTTTCAATGTTATTTATGTTGATGCTGCGGCTTTTGTGCGGCGCG 5203

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RESULT 6

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US-10-239-676-2/c
; Sequence 2, Application US/10239676
; Publication No. US20030082609A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
; FILE REFERENCE: 5013.1003
; CURRENT FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: US/10/239,676
; PRIOR APPLICATION NUMBER: PCT/EP01/03968
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-04-06
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-2

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Query Match 57.7%; Score 1203.2; DB 14; Length 10619;

Best Local Similarity 76.8%; Pred. No. 4.3e-284;

Matches 1600; Conservative 0; Mismatches 463; Indels 19; Gaps 10;

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Qy      1 TTTAGGATGATATAGTTTCAACCAAGATGCGATGATCATGCTTTTGAAGTGTCA 60
Db      7504 TTTAAATAATATATATTTATCAACCAAAATATACATATCATCTTTTAACTTATCA 7445

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QY 61 TTCTCTAGCTAAACCTTTATTTGTCATCATATTTCCACTTATTTCTGTTACCTTCA 120
Db 7444 TTCTCTAAATTAACCTTTATTTATTTCCATCATATTTTCACCTTATTTCTATTTACCTTCA 7385
QY 121 AAATATCTTTTATTTTATTTTATTTGACAGGGGACAGTGCACCCAGGCTAGAGCCAG 180
Db 7384 AAATATC--TTTTTTTTTTTTTAAACAAATCACATGATACCCAACTAAATCCAA 7327
QY 181 TGGCACTATCATAGGCTCACACAGCTCAACCTTCAGGGCTGAGTATCTCCACTTC 240
Db 7326 TAAACATATCATATACACACAGACTCAACCTTCGAAAATCAAAATATCTCCGACCTC 7267
QY 241 AGCTCCCGAGTATGAGGACTACAGGCACTGCGCACACCCGAGCTAATTTTGTAGA 300
Db 7266 AACCTCCGAATTAATAAATCAAAACACTACCCACACCCCACTAATTTTATTA 7207
QY 301 GACAAAGTTTGGCATGTTGTCAGGCTGAGCTTGAACCTGGGCTCAAGGATCCGCG 360
Db 7206 AACAAATTTTACCATATTAATCCAACTAATCTTAACTCTTAACCTCAAAAAATCCGAC 7147
QY 361 CACCTAGCTCCCAAGTGTAGATTTATAGGCACTGAGCACTGCGGCTACCTT 420
Db 7146 CACCTCAACCTCCCAAAATCTAAATTTATTAACATTAACACTATACCACTACCTT 7087
QY 421 CAAGTATCTAATGTTACTTAACCTTTAGATTTGGGCTATGCTCAACCTTCTGCG 480
Db 7086 CAAGTATCTAATCTAATCTTAATTAATTAATTCACCTTAATTCACCAACCTTCTTAC 7027
QY 481 TTACTCAACATCTGCTCTTAAGCACTAGCTTCTCTATGAGTTAACTTTTAT 540
Db 7026 TTACTCAACATCTTATCTTTAAACCACTACTTCTCTCTAATTAACCTTTTAT 6967
QY 541 GAGTTTATTCATCTGCTTATTTTCTTATCTCTTATACCAATTTGAATTTTCAAT 600
Db 6966 AATTTTATTCATCTATTTTCTTATCTCTTATCTCTATACCAATTTAAATTTTCAAT 6907
QY 601 AAAGCACACTGATTAACATCTTTGAAATGAAAAAAATGATGGAATTAAGAAAG 660
Db 6906 AAAGCACACTGATTAACATCTTTGAAAT--AAAAAAATTAACATTAATTAATTA 6848
QY 661 AAACCAATTTTAAATTAATTAATTTGAAATGATGTTATTTAAACAACAGATCTAG 720
Db 6847 AAACCAATTTTAAATTAATTAATTTTAAATTAATTTATTTAAACAACAAATCTAA 6788
QY 721 GCCAGGTGAGTGTCTATGCTGTAAATCCAGCAATTTGGGAATGAGGTGGAGAT 780
Db 6787 ACCAAATACATTAATCTATCTATTAATCCCAATTTAAAAATCGAAATAAAAAT 6728
QY 781 TGCCTGAGGCGAGGGTTCAAGACAGGCTGGGCAATGAGAGATTCGCCATCTCTT 840
Db 6727 TACTTAAACCCAAAAATTTCAAAACCACTTAACATTAATTAATTTTCCCATCTCTT 6668
QY 841 CTTT-----ACACACACACACACACACACAAATATCTGATGCAACAGGTGAG 894
Db 6667 CTTTACACACACACACACACACACACACAAATATCTAATTAACAACAAATCTA 6608
QY 895 TCATTAACAATTTGAGTATGATGAGCTTAATTTTGAAGTTATCACCAACAC 954
Db 6607 TCATTAACAATTTGAGTATGATGAGCTTAATTTTGAAGTTATCACCAACAC 6548
QY 955 TGTAAACTTAACATGAAGAGCTGTGATGATTTGCCCAAAAGTCAAGTATCTGCTA 1014
Db 6547 TATTAATAATTAACATGAAGAGCTGTATTAATTAATTAATTAATTAATTAATTA 6488
QY 1015 ATACTCTGTATTTGTAGT-AAATTCATTAATTAAGAAATGCTAGGTTTCACTGTAT 1073
Db 6487 ATACTCTGTATTTGTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 6428
QY 1074 TTTGTCCGAGGCTGTGAGCGGAGGTTAAAGCGCCGTCGAAGCAGAGGAGTGCAC 1133
Db 6427 TTTATCCCGAGGATCTTAATTAACGAATTAATTAAGCGCCGTCGAAGCAGAGGATTAAC 6368

QY 1134 CTAGCACTGAGGAGGTCACCTCGGGCCATCAATATATTTCCGAGGCGGGGCTCGC 1193
Db 6367 CTAACTACTAAATTCACCTCGAACCATATTAATTTCCGAACGAAACCGG-AC 6309
QY 1194 TTCCCGAACCCAGCTGCTTCAGGGAGAGAGACACATTAAGATTTGGGGCGGCGT 1253
Db 6308 TTCCGAACCCCACTACCTCTAAAAAAAACAACCTTAATAAATTTAAACCGACGT 6249
QY 1254 GGTAGCTATGCCCCCTGATCCGACACTTGGGAGGCTGAGGGGTGAAGTCACTGTAG 1313
Db 6248 AATTAACATTAACCTTAATCCCACTTGAATAAATCAAAACGTAAATCACTTAA 6189
QY 1314 CAGAGTTTGAACCAAGTCTAGCACTTGGCGAGACCTGCTCCCTAAAAAATTTT 1373
Db 6188 CAAAAATTTAAACCAATCTTAACCACTTAACGAACCTATCCCTAAAAAATTTT 6129
QY 1374 TTTAATTAACCAATTTGAGGAGGCTGTAGTCCGACGTTCTGGAGGCTGAGG 1433
Db 6128 TTTAATTAACCAATTTAATTAACGCTTATTAATCCCACTGAGAAATCAATAAATA 6069
QY 1434 AGATCCGCTGGGCTCAGAGTTTCCAGACTGAGGACATGATGCGGCACTGCTC 1493
Db 6068 AAATTCGTTAACTCAAAATTTCCAACTCAATTAACATTAACGACACTACCTC 6009
QY 1494 AGCGGCTGAGACTCAGTCTCAAAATTAAGGGGAGGGGTGGGGTAAATTAAGTTG 1553
Db 6008 AACGGATTAATTAATCTCAAAATTAATAAATAAATAAATAAATAAATAAATA 5949
QY 1554 TGAATTAAGTAACTTCTCTGAGACAGATTAATTAAGGGGTGGGGCTCTCA 1613
Db 5948 TAAATTAATTAATTAATCTCTTAACCAAAATTAATAAATAAATAAATAAATA 5889
QY 1614 AGAGTACTAGTCAAGCCCAAGCCCGCTCGGCCCCAGGGGACGCGCCAGAGCTCC 1673
Db 5888 AAATTAATTAATTAATCAACCAAAATCCGCTGACCCCA-AAACAACGCGCAAACTCC 5830
QY 1674 ACCCGAGGCGCGCGGGAATCTCGGCCCCCGGCGGAGGGCGCGC-C-CGCGCGCC 1732
Db 5829 ACCCGAACAACCGCGGAATACTCGGCCCCCGGCGCAAAAAACGCGCGCGCGCAC 5770
QY 1733 CGGCCCGGTGAGCGGGTTCGT-GGGCTTCGCGGCGGAGATCAAGCATATCAG 1791
Db 5769 CGGCCCGTAAACGGGAATTCGTAAACGTTCCGCGCAAACTCAACATCTATCA 5710
QY 1792 GGAAGGCGGCGGCGGCTGCGGCTGCGT--GCGCTTGGCGCTCAACCGTGGCG 1849
Db 5709 AAACGACGATTAACCGATTAACGATTAATTCATTAACGATTAACCGCTCAAACTACGA 5650
QY 1850 CTGGGTGAGCGGACGCGAGGCGGCGGAGCGGAGCGTGTCTTATGAGTGTGCGTGC 1909
Db 5649 CTAATTAACGACGCGGAACGACGAACGACAA--CGTATTTCTAATGTAACTGCG 5593
QY 1910 GCGTTCGAGCTTTGGGCGGAGCTAAGGGAGATGCGGAGTCTCGATTAAGCTTAT 1969
Db 5592 AACTTCGAACTTTTAACGACATTAATAAATAAATAAATAAATAAATAAATAAATA 5533
QY 1970 CGAGTCAAGTACGCAAGCGGCGGCGCTTTGCAAAATGCAAGGAGCATCC 2029
Db 5532 CGAATCGAATACGCAAAACGAGCGCTTTCAAAAAATACGAAGAAACATCC 5473
QY 2030 AAGGACTGCTCGGATGCGCATTAATGTCAGGTGCGGGC 2071
Db 5472 AAAAACTGCTCGGATTAACCATTAATTAACAAATGCAAC 5431

RESULT 7
US-10-311-455-44/C
; Sequence 44, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: FIEBENROCK, Christian
; APPLICANT: BERLIN, Kurt

Db 5709 AAAACGACGATACCGATACGACGATTCGATTAACGCTTAAACGCTCAAAATACGCA 5650
QY 1850 CTGGGTGACGCGACGCGAGCGCGGCGGCGGCAAGCGTGTGTTCTAGGTCGTGGCGTGG 1909
Db 5649 CTAAATTAACGACGCGGAAACGACGAAACGACAA---CGTATTTGTAATCGTAAAGTGG 5593
QY 1910 GGGCTTCGAGAGCTTTGGCGGAGCTTGGGAGAGATGGCGAGTCTTGGATTAAGCTTAT 1969
Db 5592 AACTTCGGAACCTTTTAAACGACAACTAAAAAAATTAACGAAATCTTCGATTAACCTTAT 5533
QY 1970 CGAGTCGATGACGCGCAAGAGCGGGCGGCGCTCTTGCAAGAAATGACGAGACATCCCG 2029
Db 5532 CGATGGAATGACGCGCAAAACGACGCGCTCTTAAGAAATTAACGACAAACATCCCG 5473
QY 2030 AAGACTCGCTCGGATGCGCATCATGTGCAAGTGGCGGCGC 2071
Db 5472 AAAAATCGCTCGGATTAACCATCATTAATCAAAATACGAACC 5431

RESULT 8
US-10-240-453-2/c
; Sequence 2, Application US/10240453
; Publication No. US20030148326A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA
; TITLE OF INVENTION: Transcription
; TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated
; TITLE OF INVENTION: with DNA Transcription
; FILE REFERENCE: 5013.1009
; CURRENT APPLICATION NUMBER: US/10/240.453
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03973
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 350
; SEQ ID NO 2
; LENGTH: 10619
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-453-2

Query Match 57.7%; Score 1203.2; DB 15; Length 10619;
Best Local Similarity 76.8%; Pred. No. 4.3e-284;
Matches 1600; Conservative 0; Mismatches 463; Indels 19; Gaps 10;
QY 1 TTTAGGATGATATAGTGTGTCACCGAGATGGCATGATGCTTTGACTTGGTCA 60
Db 7504 TTTAAAAATATATATATATCAACCCAAAAATACATATACATACCTTTTACTATATCA 7445
QY 61 TTCTCTAAGTAAACCTTTTATTTGTCATCATATTTTCACTTATCTGTATACCTCA 120
Db 7444 TTCTCTAATTAACCTTTTATTTATTCATCATATTTTCACTTATCTGTATATCTTCA 7385
QY 121 AAATATCTTTTATTTTATTTTATTTGAGACAGGGTCACTGTCAACCCAGGCTAGAGTCCAG 180
Db 7384 AAATATC--TTTATTTTATTTTATTTTAAACAAATCACTATCAACCCAAATTAATCCAA 7327
QY 181 TGGCATATATGAGCTCAACACAGCTCAACCTTCAAGGCTCAAGTATCTTCCACTTC 240
Db 7326 TAAACATATCATATCACTACCAACCACTCAACCTTCAAAATCTCAAAATATCTCCACCTC 7267

QY 241 AGCTCCCGAGTAGATGGGACTACAGGCACTGGCACACCCCGAGCTAAATTTTGTAGA 300
Db 7266 AACTCCCGAATTAATTAATTAATCAACACCTTACACCAACCCCACTAATTTTATTA 7207
QY 301 GACAAGGTTTTCATGATGTGTCAGAGCTGGTCTTGAACCTCTGGGCTCAAGGATCCGGC 360
Db 7206 AAAAAATTTTACATATTTATCCAACTAATCTTAACTCTTAACTCAAAAAATCCGAC 7147
QY 361 CACTCAGCTCCCAAGAGTGTAGATTTATGAGATAGACACATGTCGACGCTACTCT 420
Db 7146 CACTCAACCTCCCAAAATATTAATAATTAATTAATCAATTAACCACTACCTT 7087
QY 421 CAAGTATCTAAGTGTATTAATCTTTTGAATTCGAGCTATGTCTCAACCTTCTTGC 480
Db 7086 CAAGTATCTAATTAATTAATCTTTTAAATTCGACATATCTCAACCTTCTTAC 7027
QY 481 TTACTCAACATCTTGTCTCTTAAGCAGATGCTTCTTCTATATGTTTACATTTTAT 540
Db 7026 TTACTCAACATCTTATCTTAAACCACTAATCTTCTCTATATTAATTAACATTTTAT 6967
QY 541 GAGTTTATATCTGCTTATTTTCTTATCTTATCCAGATTAATGATTTTCAAT 600
Db 6966 AAATTTATATCTAATCTTATTTTCTTATCTTATCCAAATTAATTAATTTCAAT 6907
QY 601 AAAGCAGCTGATGTAATCTTTGAAATGAAAAAAATGCAATGATTAAGAAAG 660
Db 6906 AAACACACTATATTAATCTTTAAAT--AAAAAAATACATTAATTAATAAAAA 6848
QY 661 AAACCAATTTTATTAATCTATATTTTGAATGATGTTCTATATTAACACAAATCTAG 720
Db 6847 AAACCAATTTTATTAATCTATATTTTAAAAATATTTCTATATTAACAAATAATCTAA 6788
QY 721 GCCAGTGCATGCGTCAATGCTGTAATCCAGCAATTTGGAGTGGAGGAT 780
Db 6787 ACCAAATCAATTAATCTATCTTATTAATCCAAATTTTAAATTAATTAATTAATTAAT 6728
QY 781 TGCTTGAAGCGAGGGGTTCAAGACCGCTGGGCAACATGAGAGATTTCCCATCTCTT 840
Db 6727 TACTTAAACCAAAATTTCAAAACCACTTAACCAATTAATAAAATTTCCCATCTCTT 6668
QY 841 CTTT-----AC 894
Db 6667 CTTTAC 6608
QY 895 TCATTACCAAAATTTGAGTGTGATGAGCTTAATTAATTTTCAATTAATCAACACACAC 954
Db 6607 TCATTACCAAAATTTGAGTGTGATTAATTAATTAATTAATTTTCAATTAATCAACACAC 6548
QY 955 TGTAACTTAACATGAAAAAGTCTGTGATGACTATTTGCCAAGTCAAGGATCTGCTA 1014
Db 6547 TATTAATTAACATTAATAAAAGTCTATTAATTAATTAATTAATTAATTAATTAATTA 6488
QY 1015 ATACTCTGATATTTTGTAGT-AAATTAATTAATAAGAAATGCTAGTGTGAT 1073
Db 6487 ATACTCTGATATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 6428
QY 1074 TTTTCCGAGCGCTGTCGAGCGGAGGTTGAAAGCGCGTCAAGCCAGGAGGGTGGAC 1133
Db 6427 TTTATTCGAGCGATCTTAATTAAGACAAATTAAGCGCGTCAACCAAAAAATTAAC 6368
QY 1134 CTAGACATGCAAGGTCACCTCGGGCAATCAATATTTCCGAGGCGGGGCGCTGGCG 1193
Db 6367 CTAACTATCAAAATTCACCTCGAATCAATCAATATTTCCGAAAGGAAACCCG-AC 6309
QY 1194 TTTCCGAGCGAGCTGCTCAGGGGAGAGAGACACTTAAGGTTTGGGCGCGGCT 1253
Db 6308 TTTCCGAGCGAGCTGCTCAGGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 6249
QY 1254 GGTAGCTATGCGCCCTGATCCAGACATTTGGGAGGCTGAGGCGTGAAGATCACTTGA 1313
Db 6248 AATTAACATACCTCTTAATCCACATCTTGAAGAAATTAATTAATTAATTAATTAAT 6189
QY 1314 CAGAGTTTGAAGCAAGTCTAGCAACTTGGCGAGACCTGTCTCTTAATAAAATTTT 1373

Db 6188 CAAAATTTTAAACCATCTAACCACTTACGAAACCCATCTCCATTAATAAATTTT 6129
Qy 1374 TTTAATTAGCCAGTGTGTGAGCGCTGTAGTCCAGCTACTCGGAGGCTGAGGTGG 1433
Db 6128 TTTAATTAAACCAATTATTAATAACGCTTAAATCCCACTACTGAAAACTAAATAA 6069
Qy 1434 AGGATGCTGGGGCTCAGAGATTCAGCTCAGCTGAGCCATGATGGCGGACATGCTCC 1493
Db 6068 AAATATGCTAACTCAAAAATTCAAATCAATTAACCAATTAACGACTACACTCC 6009
Qy 1494 AGCGCGTGAAGTCTAGTCTCAAAAATTAAGGGGAGGGGGTGGGGTAAATTAATG 1553
Db 6008 AAGCGATTAATCACTCACTCAAAAATTAATAAATTAATAAATTAATAATTAATTA 5949
Qy 1554 TGAATCAAGTAAGACTTCTTGAGGACAAACAATCAAGGGGTGGCGCGGCTCTCA 1613
Db 5948 TAAATCAATTAATACTTCTTAAACCAAAACAATCAAAAATAATTAACCGCAATCTTCA 5889
Qy 1614 AGAGCTACTAGCTCAGCCCAAGCCCGCTCGGCCCCCAGGAGCGGCGGAGACTCC 1673
Db 5888 AAAACTACTACTCACTCAACCCGAGCCGCTCGACCCCA-AACACGACCGCAAAACTCC 5830
Qy 1674 ACCGCGAGGCGCGCGGAAATCCGCGCCCGGCGGCGGAGGCGCGC-CCGCGGCGC 1732
Db 5829 ACCCGAACAACGCGCGGAAATCTCGCGCCCGGCGGAGGAGGAGGAGGAGGAGGAG 5770
Qy 1733 CCGCGCGTGAAGCGCGGTTCCGT-GCGCTTCCGCGGCGGAGGAGGAGGAGGAGGAG 1791
Db 5769 CCGCGCGTGAAGCGCGGTTCCGTAAACGTTCCGCGGAGCAACATCAATCTATCA 5710
Qy 1792 GGAACGCGGTGGCGCGGTGGGTGGTGGT--GCGCTTGGCGCGCTCAGCGGTGGCG 1849
Db 5709 AAAACAGAGTAACCAATGAGAGTATTCATTAACAATCTTAAACGCTCAAAAATCA 5650
Qy 1850 CTGGGTGAGCGCAGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAG 1909
Db 5649 CTAAATTAACGCGCAGCGGAAACGAGCAACAA---CGTATTTCTTAATCTGAACGTC 5593
Qy 1910 GGGTTCGAGGCTTTGGCGGAGCTAGGGAGGAGTGGCGGAGTCTTCGATTAAGCTTAT 1969
Db 5592 AACTTCGAAACTTTTAACGACACTAATAAATAATTAACGAATCTTCGAATTAACCTTAT 5533
Qy 1970 CGAGTGAAGTACGCGCAAGAGCGGCGGCTCTTTGCAAGAAATGCGAGGAGACTTCCC 2029
Db 5532 CGAATGGAATACCGCAAAAACGAAACGCGCTCTTAACAAAATAACGAAAAATCTCCC 5473
Qy 2030 AAGGACTCGCTCGGATGGCATGATGTCAGGTGCGGCGC 2071
Db 5472 AAAAATCTCGCTCGAATTAACCATTAATTAACAATTAACGAAAC 5431

RESULT 9
US-10-240-589C-2/c
Sequence 2, Application US/10240589C
Publication No.: US20040076956A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of Diseases Associated with
TITLE OF INVENTION: DNA repair
FILE REFERENCE: 5013.1008
CURRENT APPLICATION NUMBER: US/10/240.589C
CURRENT FILING DATE: 2003-09-02
PRIOR APPLICATION NUMBER: PCT/EP01/03972
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: DE 10019058.8
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: DE 10019173.8
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 148
SEQ ID NO 2
LENGTH: 10619
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-589C-2

Query Match 57.7%; Score 1203.2; DB 17; Length 10619;
Best local similarity 76.8%; Pred. No. 4.3e-284;
Matches 1600; Conservative 0; Mismatches 463; Indels 19; Gaps 10;

Qy 1 TTTAGGATGATATAGTGTCAACCCAGATGAGCATGATGCTTTGACTGTGCTCA 60
Db 7504 TTTAAATAATATATATATATCAACCAAAATTAACATATCACTTTTAATCA 7445
Qy 61 TTTCTTAATTAATCTTTATTTGTCATCATATTTTCCACTATTCCTTACCTTCA 120
Db 7444 TTTCTTAATTAATCTTTATTTATTTATTCATATTTTCCACTTATTTATTCCTTA 7385
Qy 121 AAATATCTTTTATTTTATTTTGAAGAGGCTCAACTGTCAACCGAGCTAGAGTCAG 180
Db 7384 AATATATC-TTTTTTTTTTTTTTAAACAAATATCACTATCAACCAATTAATCCAA 7327
Qy 181 TGGCACTATCATGCTCACCACAGCTCAACCTTCAAGGCTCAGTATCTCCACTTC 240
Db 7326 TAAACTATCATATCACTCACCACAGCTCAACCTTCAACCAATTAATCTCCACTTC 7267
Qy 241 AGCTTCCGAGTATGAGGATGAGGATGAGGATGAGGATGAGGATGAGGATGAGGATGAG 300
Db 7266 AACTTCCGAGTATGAGGATGAGGATGAGGATGAGGATGAGGATGAGGATGAGGATGAG 7207
Qy 301 GACAAAGTTTGCATGTTGTCCAGGCTGTGTTGAATCTTGGGCTCAAGGATCGGCG 360
Db 7206 AACAAATTTTACATATATATTCACAACTATCTTAACTCTTAACTCAAAAATTCGAC 7147
Qy 361 CACTCAGCTCCCAAGTGTAGATTAATGAGCATGAGCACTGTGCCAGCTACCTT 420
Db 7146 CACTCAGCTCCCAAGTGTAGATTAATGAGCATGAGCACTGTGCCAGCTACCTT 7087
Qy 421 CAAGTATTAATCTGTATCTAATTTTGAATTTGGGCTATGCTCAACACTTCTTGC 480
Db 7086 CAAGTATTAATCTGTATCTAATTTTGAATTTGGGCTATGCTCAACACTTCTTGC 7027
Qy 481 TTAAGTATGATCTGTCTTAAGCACTAGCTTCTTCTATGAGTTAACTTTTAT 540
Db 7026 TTAAGTATGATCTGTCTTAAGCACTAGCTTCTTCTATGAGTTAACTTTTAT 6967
Qy 541 GAGTTTATTAATCTGTCTTAAGCACTAGCTTCTTCTATGAGTTAACTTTTAT 600
Db 6966 AATTTTATTAATCTGTCTTAAGCACTAGCTTCTTCTATGAGTTAACTTTTAT 6907
Qy 601 AAAGCACTCATGTTTCAATCTTTGAATTTGAAAAAATGCAATAGATTTGAAAAA 660
Db 6906 AAAGCACTCATGTTTCAATCTTTGAATTTGAAAAAATGCAATAGATTTGAAAAA 6848
Qy 661 AAAGCACTCATGTTTCAATCTTTGAATTTGAAAAAATGCAATAGATTTGAAAAA 720
Db 6847 AAAGCACTCATGTTTCAATCTTTGAATTTGAAAAAATGCAATAGATTTGAAAAA 6788
Qy 721 GCGAGTGAAGTGGCTCATGCTGTATCCAGCAATTTGGAGAGTGAAGTGAAGAT 780
Db 6787 ACCAAATTAATTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 6728
Qy 781 TGGTGAAGGCGAGGCTTGAAGAGGCTGGGCAACATGAGAGTTCCTTCTTT 840
Db 6727 TACCTTAACCAAAAATTCAAAACCAACCTTAACCAAAAATTCCTTCTTT 6668
Qy 841 CTTT-----ACACACACACACACACACACACAAATATCTGATGAGCAAGGTGAG 894

Db 361 GACTTCTGGGACAGAAACATCAAAAGGAGTGCCGCGGCTCTCCAAAGACTACTGCT 420
 QY 1627 CAGCCCAAGCCCGCTCGGCCCCCAGGAGCAGCGG-CGCAAGACTCCACCCGAGGCG 1685
 Db 421 CAGCCCAAGCCCGCTCGGCCCCCAGGAGCAGCGGCCCCGAGACTCCACCCGAGGCG 480
 QY 1686 CCGGGAACCTCCGCCCCCGGCGGAGGAGCGCGC---CGCGCGCCCGCCCGT 1742
 Db 481 CCGGGAACCTCCGCCCCCGGCGGAGGAGCGCGCGCGCGCCCGCCCGT 540
 QY 1743 GACCCGGGTTCCGT-GGCTTCCCGCGGCGGAGCATATGATATCAAGGAAACGCGCG 1801
 Db 541 GACCCGGGTTCCGTGGGCGGTTCCGCGGAGCATATGATATCAAGGAAACGCGCG 600
 QY 1802 TGCGCGGAGCGGCTGTTCCGCTG---CGCTCGCGCGCTCAAGCGG-TGGCGGCTGGGAG 1858
 Db 601 TGCGCGGAGCGGCTGTTCCGCTGCGGCTCGGCGGCTCGGCGCTGCGGCTT-CGG 660
 QY 1859 CGCAGCGGAGCGGCGGAGCGGCAAGCGTGTCTGAGTCTGAGCGTCCGCTCCG 1918
 Db 661 CGCAGCGGAGCGGCGGAGCGGCA---GCGTGTCTGAGTCTGAGCGTCCGCTT-CGG 716
 QY 1919 AGCTTTGCGGAGCTAGGAGGAGATGCGGAGTCTTCGATTAAGCTCTATCGAGTGCAG 1978
 Db 717 AGCTTTGCGGAGCTAGGAGGAGATGCGGAG-TCTTCGATTAAGCTCTATCGAGTGCAG 775
 QY 1979 TAGCCCAAGAGCGGCGCGCTCTTTCGAAGAAATGACCGAGCAATCCCAAGAGTCCG 2038
 Db 776 TAGCCCAAGAGCGGCGCGCTCTTTCGA---GAATGACCGAGCAATCCCAAGAGTCCG 832
 QY 2039 CTCGGATGCG 2049
 Db 833 CTCGGATGCC 843

RESULT 11
 US-10-027-632-154183
 ; Sequence 154183, Application US/10027632
 ; Publication No. US20030204075A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, David G.
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
 ; FILE REFERENCE: 108827.129
 ; CURRENT APPLICATION NUMBER: US/10/027,632
 ; PRIOR FILING DATE: 2002-04-30
 ; PRIOR APPLICATION NUMBER: US 60/218,006
 ; PRIOR FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: US 60/198,676
 ; PRIOR FILING DATE: 2000-04-20
 ; PRIOR APPLICATION NUMBER: US 60/193,483
 ; PRIOR FILING DATE: 2000-03-29
 ; PRIOR APPLICATION NUMBER: US 60/185,218
 ; PRIOR FILING DATE: 2000-02-24
 ; PRIOR APPLICATION NUMBER: US 60/167,363
 ; PRIOR FILING DATE: 1999-11-23
 ; PRIOR APPLICATION NUMBER: US 60/156,358
 ; PRIOR FILING DATE: 1999-09-28
 ; PRIOR APPLICATION NUMBER: US 60/146,002
 ; PRIOR FILING DATE: 1999-08-09
 ; NUMBER OF SEQ ID NOS: 325720
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 154183
 ; LENGTH: 844
 ; TYPE: DNA
 ; ORGANISM: Human
 US-10-027-632-154183

Query Match 33.5%; Score 699.4; DB 17; Length 844;
 Best Local Similarity 96.6%; Pred. No. 4.9e-161;
 Matches 822; Conservative 1; Mismatches 12; Indels 16; Gaps 10;
 QY 1207 CTGCGCTCAGGAGAGAGACACTTAAGATTGGGCGCGCGTGTGATGCTCATGCC 1266

Db 1 CTGCGCTCAGGAGAGAGACACTTAAGATTGGGCGCGCGTGTGATGCTCATGCC 60
 QY 1267 CTTGATTCAGGACTTTCGAGAGCTGAGGCTGTAAGATCATCTGTATGAGAGATTGAGA 1326
 Db 61 CTTGATTCAGGACTTTCGAGAGCTGAGGCTGTAAGATCATCTGTATGAGAGATTGAGA 120
 QY 1327 CCACTTACGCAACTTTCGAGAGAGCTGTCCTTAAATTTTATTTTATTTAGCAG 1386
 Db 121 CCACTTACGCAACTTTCGAGAGAGCTGTCCTTAAATTTTATTTTATTTAGCAG 180
 QY 1387 TTGTGTAGAGCGCTGTAGTCCAGTACTCGGAGAGCTGAGGTGAGAGATGCTGGC 1446
 Db 181 TTGTGTAGAGCGCTGTAGTCCAGTACTCGGAGAGCTGAGGTGAGAGATGCTGGC 240
 QY 1447 TCAGAGTTCCAGACTGAGTACGATGAGCATATGATGCGGCACTGCACCTCAGCGGTGAGAC 1506
 Db 241 TCAGAGTTCCAGACTGAGTACGATGAGCATATGATGCGGCACTGCACCTCAGCGGTGAGAC 300
 QY 1507 TCAGTCTCAAAATTAAGAGGAGGAGGTTGGGGGTAAATTAAGTTGTGAATCAAGTAA 1566
 Db 301 TCAGTCTCAAAATTAAGAGGAGGAGGTTGGGGGTAAATTAAGTTGTGAATCAAGTAA 360
 QY 1567 GACTTCTGGACAGAAACATCAAGAGGAGTGGCGCGGCTCTCAAGAGACTACTAGCT 1626
 Db 361 GACTTCTGGACAGAAACATCAAGAGGAGTGGCGCGGCTCTCAAGAGACTACTAGCT 420
 QY 1627 CAGCCCAAGCCCGCTCGGCCCCCAGGAGCAGCG-CGCGAGACTTCACCCGAGGCG 1685
 Db 421 CAGCCCAAGCCCGCTCGGCCCCCAGGAGCAGCGCCGCGAGACTTCACCCGAGGCG 480
 QY 1686 CCGGGAACCTCCGCCCCCGGCGGAGGAGCGCGC---CGCGCGCCCGCCCGT 1742
 Db 481 CCGGGAACCTCCGCCCCCGGCGGAGGAGGAGCGCGCGCGCGCCCGCCCGT 540
 QY 1743 GACGCGGTTCCGT-GGCTTCCCGCGGCGGAGCATCAATCTATCAAGGAAACGAGCG 1801
 Db 541 GACGCGGTTCCGTGGGCGGTTCCCGGCGGCGGAGCATCAATCTATCAAGGAAACGAGCG 600
 QY 1802 TGCGCGTGGGCGGCTGTGCTG---CGTCTGCGGCTCAAGCGG-TGGCGGCTGGGTGAG 1858
 Db 601 TGCGCGTGGGCGGCTGTGCTGCGGCTTGCGCGCTCAAGGCGGCTGGGTGAG 660
 QY 1859 CGCAGCGGAGCGGCGGAGCGGCAAGCGTGTCTTGAAGTCTGAGCGTCCGCTCCG 1918
 Db 661 CGCAGCGGAGCGGCGGAGCGGCA---GGTGTCTGAAGTCTGAGCGTCCGCTT-CGG 716
 QY 1919 AGCTTTGCGGAGCTAGGAGGAGATGCGGAGTCTTCGATTAAGCTCTATCGAGTGCAG 1978
 Db 717 AGCTTTGCGGAGCTAGGAGGAGATGCGGAG-TCTTCGATTAAGCTCTATCGAGTGCAG 775
 QY 1979 TAGCCCAAGAGCGGCGCGCTCTTTCGAAGAAATGACCGAGCAATCCCAAGAGTCCG 2038
 Db 776 TAGCCCAAGAGCGGCGCGCTCTTTCGA---GAATGACCGAGCAATCCCAAGAGTCCG 832
 QY 2039 CTCGGATGCG 2049
 Db 833 CTCGGATGCC 843

RESULT 12
 US-09-960-253-107
 ; Sequence 107, Application US/09960253
 ; Patent No. US20020123619A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Benson, Darin R.
 ; APPLICANT: Mohamath, Raedoh
 ; APPLICANT: Lodes, Michael J.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 ; FILE REFERENCE: 210121.556
 ; CURRENT APPLICATION NUMBER: US/09/960,253
 ; CURRENT FILING DATE: 2001-09-20

QY	1902	TGGCGTCGAGGCTCCGGAGCTTTGGCGGACGTAGAGGAGATGGCGGAGCTTCGGA	1961
Db	119	TGGCGTCGAGGCTTCGGAGCTTTGGCGGACGTAGAGGAGATGGCGGAGCTTCGGA	178
QY	1962	AGCTCTATCGAGTCGATGACGCAAGAGCGGGCGGCGCTCTTGCAAGAAATGACGCGA	2022
Db	179	AGCTCTATCGAGTCGATGACGCAAGAGCGGGCGGCGCTCTTGCAAGAAATGACGCGA	238
QY	2022	GCATTCGCCAAGACTCGCTCCGAGATGGCGCATCATGTGCAGAGTC	2066
Db	239	GCATTCGCCAAGACTCGCTCCGAGATGGCGCATCATGTGCAGAGTC	283

RESULT 15
US-10-163

```

: Sequence 3, Application US/10163587A
: Publication No. US20030096263A1
: GENERAL INFORMATION:
: APPLICANT: Oliveira, Marcos
: TITLE OF INVENTION: SELECTIVE PARP-1 TARGETING FOR DESIGNING CHEMO/RADIO SENSITIZING
: FILE REFERENCE: 50229-306
: CURRENT APPLICATION NUMBER: US/10/163,587A
: CURRENT FILING DATE: 2003-01-10
: PRIOR APPLICATION NUMBER: 60/296,110
: PRIOR FILING DATE: 2001-06-07
: NUMBER OF SEQ ID NOS: 40
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 3
: LENGTH: 3859
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CD5
: LOCATION: (160)..(3204)
: OTHER INFORMATION:
: US-10-163-587A-3

```

Query Match

Query Match	12.5%	Score 261.4	DB 14	Length 3859
Best Local Similarity	97.2%	Pred. No. 3.4e-53		
Matches 277	Conservative	0	Mismatches 6	Indels 2
				Gaps 1

[illegible]

Search completed: February 28, 2005, 06:52:37
Job time : 5156.4 secs

BEST AVAILABLE COPY

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Query Match	100.0%	Score 36	DB 1,	length 37,
Best Local Similarity	100.0%	Pred. No.	7.8e-05,	
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

US-08-222-177A-119

TITLE OF INVENTION
NUMBER OF SECTIONS

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Query Match          100.0%; Score 36; DB 1; Length 40;
Best Local Similarity 100.0%; Pred. No. 7,8e-05;
Matches      36; Conservative    0; Mismatches    0; Indels    0; Gaps    0;

QY      1 CACACACACACACACACACACACACACACACA 36
         |||||
Db       2 CACACACACACACACACACACACACACACACA 37
         |||||

RESULT 7
US-08-222-177A-403
; Sequence 403, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
;
```

```

ADDRESSSEE: Dewilt Ross & Stevens, S.C.  

STREET: 8000 Excelsior Drive, Suite 401  

CITY: Madison  

STATE: Wisconsin  

COUNTRY: USA  

ZIP: 53717-1914  

COMPUTER READABLE FORM:  

MEDIUM TYPE: Floppy disk  

COMPUTER: IBM PC compatible  

OPERATING SYSTEM: PC-DOS/MS-DOS  

SOFTWARE: Patentin Release #1.0, Version #1.25  

CURRENT APPLICATION DATA:  

APPLICATION NUMBER: US/08/222,177A  

FILING DATE:  

CLASSIFICATION: 435  

PRIOR APPLICATION DATA:  

APPLICATION NUMBER: US 07/341,562  

FILING DATE: 21-APR-1989  

ATTORNEY/AGENT INFORMATION:  

NAME: Sara, Charles S.  

REGISTRATION NUMBER: 30,492  

REFERENCE/DOCKET NUMBER: 09865,601  

TELECOMMUNICATION INFORMATION:  

TELEPHONE: (608) 831-2100  

TELEFAX: (608) 831-2106  

TELEX:  

INFORMATION FOR SEQ ID NO.: 403:  

SEQUENCE CHARACTERISTICS:  

LENGTH: 40 base pairs  

TYPE: nucleic acid  

STRANDEDNESS: double  

TOPOLOGY: linear  

MOLECULE TYPE: DNA (genomic)  

US-08-222-177A-403  

Query Match 100.0%; Score 36; DB 1, Length 40,  

Best Local Similarity 100.0%; Fred.No. 7.8e-05;  

Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  

QY 1 CACACACACACACACACACACACACACACACACACACA 36  

Db 1 CACACACACACACACACACACACACACACACACACACA 36  

RESULT 8  

US-08-222-177A-74  

Sequence 74, Application US/08222177A  

Patent No. 5582979  

GENERAL INFORMATION:  

APPLICANT: Weber, James L.  

TITLE OF INVENTION: LENGTH POLYMORPHISMS IN  

TITLE OF INVENTION: (dc-da)n.(dg-dt)n SEQUENCES AND METHODS OF USING SAME  

NUMBER OF SEQUENCES: 460  

CORRESPONDENCE ADDRESS:  

ADDRESSEE: Dewilt Ross & Stevens, S.C.  

STREET: 8000 Excelsior Drive, Suite 401  

CITY: Madison  

STATE: Wisconsin  

COUNTRY: USA  

ZIP: 53717-1914  

COMPUTER READABLE FORM:  

MEDIUM TYPE: Floppy disk  

COMPUTER: IBM PC compatible  

OPERATING SYSTEM: PC-DOS/MS-DOS  

SOFTWARE: Patentin Release #1.0, Version #1.25  

CURRENT APPLICATION DATA:  

APPLICATION NUMBER: US/08/222,177A  

FILING DATE:  

CLASSIFICATION: 435  

PRIOR APPLICATION DATA:  

APPLICATION NUMBER: US 07/341,562  

FILING DATE: 21-APR-1989  

ATTORNEY/AGENT INFORMATION:
```

```

      / NAME: Sara, Charles S.
      / REGISTRATION NUMBER: 30,492
      / REFERENCE/DOCKET NUMBER: 09865.601
      / TELECOMMUNICATION INFORMATION:
      / TELEPHONE: (608) 831-2100
      / TELEFAX: (608) 831-2106
      / TELEX:
      / INFORMATION FOR SEQ ID NO: 74:
      / SEQUENCE CHARACTERISTICS:
      / LENGTH: 41 base pairs
      / TYPE: nucleic acid
      / STRANDEDNESS: double
      / TOPOLOGY: linear
      / MOLECULE TYPE: DNA (genomic)
      / IMMEDIATE SOURCE:
      / CLONE: mfd8rs
      / US-08-222-177A-74

Query Match          100.0%; Score 36; DB 1; Length 41;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches   36; Conservative    0; Mismatches    0; Indels    0; Gaps    0;

OY      1 CACACACACACACACACACACACACACACACACACA 36
        |||||||
Db       2 CACACACACACACACACACACACACACACACACA 37

```

```

Query Match          100.0%; Score 36; DB 1; Length 41;
Best Local Similarity 100.0%; Pred. No. 7.8e-05;
Matches      36; Conservative    0; Mismatches    0; Indels    0; Gaps    0;

Qy              1 CACACACACACACACACACACACACACACACA 36
                ||| ||||| ||||| ||||| ||||| ||||| |||||
Db              2 CACACACACACACACACACACACACACACACA 37

RESULT 9
US-08-222-177A-183
; Sequence 183, Application US/08222177A
; Patent No. 5562979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dc-da)n.(dg-dt)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelbiot Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865,601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 183:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 41 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; IMMEDIATE SOURCE:
; CLONE: m1d45r8
; US-08-222-177A-183

```


Sequence 241. Application US/08222177A
Patent No. 5582979
GENERAL INFORMATION:
Applicant: Weber, James L.
TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
TITLE OF INVENTION: (dc-da)n. (dg-dt)n SEQUENCES AND METHODS OF USING SAME
NUMBER OF SEQUENCES: 460
CORRESPONDENCE ADDRESS:
ADDRESSEE: DeWitt Ross & Stevens, S.C.
STREET: 8000 Excelstior Drive, Suite 401
CITY: Madison
STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sata, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865, 601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 241:
SEQUENCE CHARACTERISTICS:
LENGTH: 44 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mtd66ts
US-08-222-177A-241

Query Match	100.0%	Score 36;	DB 1;	Length 44;
Best Local Similarity	100.0%	Pred. No. 7.8e-05;		
Matches	36;	Conservative	0;	Mismatches 0;
				Indels 0;
				Gaps 0;
QY	1	CACACACACACACACACACACACACACA	36	
DB	2	CACACACACACACACACACACACACACA	37	

Search completed: February 28, 2005, 01:15:34
Job time : 7.32316 secs


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RESULT 2
US-09-909-317-7
; Sequence 7, Application US/09909317
; Publication No. US20040152075A1
; GENERAL INFORMATION:
; APPLICANT: Betty P. Tsao (Inventor)
; APPLICANT: Rita M. Cantor (Inventor)
; APPLICANT: Jerome I. Rotter (Inventor)
; TITLE OR INVENTION: Genetic Marker Test for Lupus
; FILE REFERENCE: 18610-82152
; CURRENT APPLICATION NUMBER: US/09/909,317
; PRIORITY FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: 09/280,181
; PRIORITY FILING DATE: 1999-03-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 36
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-317-7

```

[illegible]

```

RESULT 3
US-09-852-903C-24
Sequence 24, Application US/09852903C
Publication No. US20030104376A1
GENERAL INFORMATION:
APPLICANT: DiaTech Pty. Ltd.
TITLE OR INVENTION: An assay
FILE REFERENCE: 2414918/ESH
CURRENT APPLICATION NUMBER: US/09/852,903C
PRIORITY FILING DATE: 2001-05-09
PRIORITY APPLICATION NUMBER: US 60/202,771
PRIORITY FILING DATE: 2000-05-09
PRIORITY APPLICATION NUMBER: US 60/202,559
PRIORITY FILING DATE: 2000-05-10
NUMBER OF SEQ ID NOS: 38
SOFTWARE: PatentIn version 3.0
SEQ ID NO 24
LENGTH: 38
TYPE: DNA
ORGANISM: artificial sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1..1)
OTHER INFORMATION: CA-20
US-09-852-903C-24

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	Query Match	100.0%	Score 36,	DB 10,	Length 38,
	Best Local Similarity	100.0%	Pred. No. 6.5e-05,		
	Matches 36; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0.
Qy	1 CACACACACACACACACACACACACACA	36			
b	1 CACACACACACACACACACACACACACA	36			

RESULT 4
US-09-263-959-678/C
; Sequence 678, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.

APPLICANT: Rowen, Lee
APPLICANT: Koop, Ben F.
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTILIZE
NUMBER OF SEQUENCES: 1279
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US//09/263,959
FILING DATE: 05-MAR-1999
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: McMasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 602-6031
INFORMATION FOR SEQ ID NO: 678:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IS-09-263-959-678

[illegible]

```

RESULT 5
US-09-852-903C-25
/ Sequence 25, Application US/09852903C
/ Publication No. US20030104376a1
/ GENERAL INFORMATION:
/ APPLICANT: Diattech Pty. Ltd.
/ TITLE OF INVENTION: An assay
/ FILE REFERENCE: 2414918/ECH
/ CURRENT APPLICATION NUMBER: US/09/852,903C
/ CURRENT FILING DATE: 2001-05-09
/ PRIOR APPLICATION NUMBER: US 60/202,771
/ PRIOR FILING DATE: 2000-05-09
/ PRIOR APPLICATION NUMBER: US 60/202,559
/ PRIOR FILING DATE: 2000-05-10
/ NUMBER OF SEQ ID NOS: 38
/ SOFTWARE: PatentIn version 3.0
/ SEQ ID NO 25
/ LENGTH: 40
/ TYPE: DNA
/ ORGANISM: artificial sequence
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (..)
/ OTHER INFORMATION: CA-21
US-09-852-903C-25

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Query Match	100.0%	Score 36;	DB 10;	Length 40;
Best Local Similarity	100.0%;	Pred. No. 6.5e-05;		
Matches 36; Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0;


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: SEQ_ID NO 27
: LENGTH: 44
: TYPE: DNA
: ORGANISM: artificial sequence
: FEATURE:
: NAME/KEY: misc feature
: LOCATION: (1..7)
: OTHER INFORMATION: CA-23
US-09-852-903C-27

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Query Match	100.0%	Score 36;	DB 10;	Length 44;
Best Local Similarity	100.0%	Pred. NC.	6.5e-05;	
Matches	36;	Conservative	0;	Mismatches 0;
				Gaps 0;

DY	1 CACACACACACACACACACACACACACACA 36
Db	1 CACACACACACACACACACACACACACACA 36

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RESULT 14
US-09-852-903C-28
; Sequence 28, Application US/99862903C
; Publication No. US20030104376A1
; GENERAL INFORMATION:
; APPLICANT: DiaTech Pcy. Ltd.
; TITLE OF INVENTION: An assay
; FILE REFERENCE: 2414918/EH
; CURRENT APPLICATION NUMBER: US/09/852,903C
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/202,771
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: US 60/202,559
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 28
; LENGTH: 46
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(7)
; OTHER INFORMATION: GC-24
; US-09-852-903C-28

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Query Match	100.0%	Score 36;	DB 10;	length 46;
Best Local Similarity	100.0%	Pred. NO.	6.6e-05;	
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

[illegible]

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RESULT 15
US-09-971-353-33
:
: Sequence 33, Application US/09971353
: Publication No. US20030113723A1
:
: GENERAL INFORMATION:
:
: APPLICANT: Bapat, Bharati
: APPLICANT: Rose, Melanie Anne
: TITLE OF INVENTION: METHOD FOR EVALUATING MICROSTELLITE INSTABILITY IN A TUMOR SAMPLE
: FILE REFERENCE: 11757.54/SUSU1
:
: CURRENT APPLICATION NUMBER: US/09/971,353
:
: CURRENT FILING DATE: 2001-10-04
:
: PRIOR APPLICATION NUMBER: US 60/237,884
:
: PRIOR FILING DATE: 2000-10-04
:
: NUMBER OF SEQ ID NOS: 35
:
: SOFTWARE: PatentIn version 3.1
:
: SEQ ID NO 33
:
: LENGTH: 46
:
: TYPE: DNA
:
: ORGANISM: Homo sapiens

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US-09-971-353-33

Query March Similarity	100.0%	Score 36;	DB 10;	Length 46;
Best Local Similarity	100.0%	Pred. No. 6.6e-05;		
Matches 36;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Dy
Db

1 CACACACACACACACACACACACACA 36
| | | | | | | | | | | | | |
1 CACACACACACACACACACACACACA 36

Search completed: February 28, 2005, 06:52:39
Job time : 90.8932 secs

Job time : 90.8932 secs

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